6. BUSINESS OPERATION PLAN

6.1. TRANSITION PLAN

Step by step, find below how GSF will accompany you for a smooth transition from your previous service provider to us.

Before the start of GSF Operations: Preparation of the transition

Week 1 After Notification

Together:
.
Walkthrough of the facility with GSF and the facility manager

GSF:
.
Evaluates Human Resources needs and assigns Account managers, On-Site supervisors and Operators accordingly
.
Builds up a start-up Management team and assigns area duties to the Transition team
.
Evaluates the needs in chemicals, equipment, supplies and orders
.
Provides a certificate of Insurance

You provide a file with:
.
A start date
.
Floor plans per building
.
Copy of current Day Porter schedules
.
Specificities of each building in terms of procedures

Week 2 After Notification
.
Training of your assigned Supervisors and/or Managers with the best Training Experts in the industry to own GSF's unique cleaning processes and understand your cleaning expectations
.
Order of the uniforms for Day Porters

Week 3 After Notification
.
Submittal of a comprehensive green cleaning solution unique to your facility needs
.
Schedule of the security training for all employees assigned to your facility
.
Completion of the supply and equipment delivery schedule with you
.
Finalization of the billing information and contact information per job site
.
Finalization of the employee job task by hour
Week 4 – After Notification:
. Last walk through to verify every detail of the process (keys ...)
. Setting up of the janitor closets, carts, prepare chemicals and equipment for the first and second shift on the weekend prior to the first day of the contract.
. Training of employees on your building cleaning and information on our environmental policy
. Over the week-end prior to operation start: completion of last training sessions, site orientation
. Organization of the log books for issues, purchasing and maintenance
. Handing out of uniforms to employees
. Establishment of a daily dashboard report for security and for the Facility Manager

The start of GSF Operations: the transition

Week 1 – Of Contract
From Day 1 and during the entire 1st week:
. The Transition team will work with Day Porters and the night crew to make sure everyone understands their responsibilities and your expectations as a customer.
. They will help the crew becoming familiar with the building.
. At the end of the shift, the Transition Team and On-Site Manager will walk all areas to control all tasks have been completed.
. Throughout the week, communication is vital between GSF and you to make sure we meet your requirements. We will schedule some time with you to discuss any potential issue.

Week 2 – Of Contract
. Walk through with the Facility Manager to touch base and share what is the status, where do we need to fine tune our service
. Definition of assigned tasks with the project team
. Order consumable supplies if needed

Week 3 – Of Contract
. On-Site Manager walk entire building and perform a first cleaning inspection Audit.
. On-Site Manager makes the inventory of cleaning supplies and small tools and inspects equipment. This is accomplished every week.
. On-Site Manager fills out project calendar schedule and submits information to Facility Manager

Week 4 – Of Contract
. On-Site Manager will walk entire building and perform a cleaning inspection Audit, follow-up on week three items for corrective action.
. The General Manager from GSF will meet the Facility Manager to assess month one performance, walk facility and plan for any necessary operational changes.
6.2. STAFFING AND ABSENCE COVERAGE

At GSF, we believe in a sustainable and holistic way of conducting business and providing our services. Sustainability is possible through our respect for people.

GSF is selective and focuses on hiring people that embrace our company values of teamwork, integrity, ethics, continuous improvement, and customer service.

We have great consideration for the hard work our employees perform on a daily basis. We demonstrate it through policies that promote fair and respectful treatment of employees. We ensure our employees are properly equipped with the proper chemicals, tools, and equipment to perform their duties. We provide professional uniforms so our employees look and feel good about the work they are doing and this is reflected in their performance.

Great employees allow GSF to grow, and we strive to grow together. We strive to ensure our employees feel like they are part of the GSF team. They are more than just an individual cleaning at one building, or more than just part of the small team at one building. They are part of something much greater.

In addition, we pay very competitive wages, offer group rate benefits, and train them with the best managers in the industry. This is in part how we retain the best employees, exceed customer expectations, and enjoy high retention rates of both employees and customers.

From time to time, it does become necessary to recruit new employees for a variety of reasons. GSF’s primary source of new employees is our current employees. Additionally, we use print and web ads to recruit beyond our own internal network. New employees are hired and trained in accordance with our standard policies.

To accommodate both absences and employee vacancies, Branch Managers have a team of special services employees. These employees are among the best of the best in terms of project skills, cleaning quality and reliability. These employees are familiar with the specifications of the Branch Manager’s facilities and can step in on short notice to cover for employee absences. Having identified these employees in advance, we are get them properly credentialed when necessary for access to the facilities.
In addition, GSF has accounts in close proximity to the facility, and may elect to select few of these employees with the understanding that if there is an employee absence in the facility, they will be asked to cover there.

The Illinois office of GSF USA, Inc. employs nearly 300 people on varying shifts throughout the day and night all over the Chicago area. The map to the right depicts the presence of GSF from as far north as the Wisconsin border to the far southwest suburbs and from Lake Michigan to the far west suburbs. We are able to mobilize these resources to assist in the event of a local event like a flood or serious issue in the building requiring a large response.
7. QUALITY CONTROL

GSF is committed to providing the highest quality cleaning services to our clients. We have implemented multiple tools to ensure our clients’ expectations are consistently met.

Inspection Tools:

In addition to the regular visual inspections by our supervisors and Branch Managers to ensure quality control, GSF has employed CleanTelligent software to document quality control and ensure attention to detail in the facilities we clean. This software is customizable for each facility. The software is user friendly and mobile, allowing managers to input information while conducting the inspection. Property managers are welcome (and encouraged) to accompany managers while they perform the quality audit if their schedules allow.

This software enables us to load service areas, for example: “Lobby Glass,” “Carpet,” or “Sinks and Faucets,” and ensures that each of these areas is carefully inspected at the predetermined frequency, usually monthly. If an area of concern is found, a picture can be taken using the tablet and added to the report to document the deficiency. The manager can add notes for the property manager to review or as reminders to discuss with the supervisor or service operators.

Reports are then generated that can be emailed to the property manager if desired, or kept on site at a designated location.

From the inspections, the branch managers and property managers have quantifiable data and identify trends in areas of deficiency, if any. Past reports are available online for easy comparison.
7.1. WRITTEN CUSTODIAL STANDARDS

DAY CLEANING - OFFICES

1. EQUIPMENT AND CHEMICALS
   Cleaning trolley, blue microfiber cloths, sprayer, neutral detergent

2. EMPTYING TRASH BINS
   Empty the trash bins into the brute.
   Reline with new trash bag when necessary.

3. SPRAYING THE BLUE MICROFIBER CLOTH
   Fold the blue microfiber cloth into four.
   Spray the cleaning product on it, over the cleaning brute.

4. BEST ORDER FOR WIPING OFFICE FURNITURE
   Wipe the furniture by working in parallel lines.

Fill up the cleaning trolley sufficiently before starting the operation.

Refer to color code floor plan for most efficient path.

As soon as one side of the microfiber cloth is dirty, use the other side.

Follow this route carefully around the room to avoid going back on yourself.

CLEANING & SUPPORT SERVICES
5 DUSTING OF FURNITURE
Use the clean side of the microfiber cloth.

6 WIPING AWAY MARKS
Wipe off finger marks and any dirty marks on door frames, switches, doorknobs, etc.

7 CLEANING THE FLOOR
Depending on the type of floor, use the vacuum cleaner or mop and wash if necessary.

8 END OF OPERATIONS
Switch off lights and close the door.

EQUIPMENT MAINTENANCE
Clean the blue microfiber cloths with water and detergent.
Rinse under running water.
Leave them to dry.
Clean and dry away the equipment.
WASHROOM: DAILY UPKEEP

1 EQUIPMENT AND CHEMICALS
Pink leather cloths, blue leather cloths, sprayer, cleanser, disinfectant, toilet sponge with abrasive side.

2 AIRING PREMISES
Open the windows.

3 WEARING GLOVES
Gloves must be worn for all operations.

4 BIN EMPTYING
Empty and clean the bins; fill up the dispensers.

5 SPRAYING TOILETS
Flush the toilet. Spray disinfectant cleanser inside the toilet bowl, paying careful attention to the areas that are difficult to access. Leave to work.

6 CLEANING WASH BASIN AREA
Fold the blue leather cloth into four. Spray the cleaning product on the leather cloth.
As a general rule, the higher parts are cleaned before the lower parts: the mirror, the shelves, the porcelain.

7 CLEANING WASH BASINS
Spray the wash basin and the taps. Rub with an abrasive sponge, especially the sensitive areas of the wash basin.
7. CLEANING WASH BASINS (cont'd)
Clean the sides, the underneath, the wash basin stem, the pipes and the baseboards.

8. RINSING WASH BASINS
Rinse the wash basin and the taps, and then wipe them.

9. CLEANING THE INSIDE OF THE TOILET
Clean the inside of the toilet with the brush. Flush the toilet, clean the brush and the brush holder.

10. CLEANING THE OUTSIDE OF THE TOILET
Clean the outside of the toilet bowl and the toilet seat using the pink leather cloth.

11. WIPEING ITEMS IN CONTACT WITH THE TOILET AREA
Wipe finger marks and dirty marks on the flush mechanism, the porcelain, the frames, the switches, the door handles with a clean pink leather cloth soaked in disinfectant cleanser.

12. SWEETING AND CLEANING THE FLOOR
Mop and wash the floor.

13. VERIFICATION OF THE WATER TRAPS
Check and fill the floor water traps if necessary.

Close the windows, switch off lights and close the door.

The pink leather cloth is for cleaning the toilet. Change the cloth as often as necessary.

The water traps must always be full with water.

Clean the leather cloths with water and cleanser.
Rinse under running water.
Leave them to dry.
Clean and tidy away the equipment.
8. HUMAN RESOURCES POLICY, HIRING PRACTICES & TRAINING

GSF’s primary sources of attracting new employees are employee referrals and print and web ads. From time to time, we implement an incentive referral bonus program for employees that refer candidates for those difficult to fill positions.

GSF USA, Inc.’s employee turnover rate is among the lowest in the commercial cleaning industry. In fact, approximately 63.2% its workforce has been employed with the company for over a year.

HIRING PROCESS

Pre-hiring:
All employees are required to complete and submit a company application for consideration prior to being hired. In addition, the Human Resource Department conducts reference checks and a criminal history report on each applicant. Once the applicant passes this process, they are then interviewed by an Area Manager that has an opening in one of their accounts or by a Human Resource staff member.

Hiring:
Once an applicant accepts a job offer with GSF, they go through the hiring and orientation process with the Human Resources Department. This includes the completion of all of their pre-employment paperwork such as tax forms and the I-9 Employment Eligibility Form. All new employees must present identification to satisfy the government requirements to work in the United States. New employees are issued Employee Handbooks and receive a GSF identification badge.

Orientation:
Inasmuch as new employees are issued Employee Handbooks during the hiring process, it is important to review and emphasize certain aspects of their employment before they reach the job site on their first day. This includes Primary Company Policies, attendance policies, safety and security policies, wage information, dress code/uniform requirements, and any particular rules concerning the account they are assigned to. In addition, all employees are required to view a video on Bloodborne Pathogens and Haz Mat/Right to Know. Finally, they are given specific instructions and maps on how to get to their account, what entrance to use, who to report to, and any specific security precautions.

Training:
One of the keys to getting an employee off to a great start is to give them clear and thorough training. At GSF, we use various methods to help instruct our new and our veteran employees so they are well prepared for the daily challenges of their jobs. These methods may include classroom training, video training, on-hand instruction with our vendors, and mentor training.
8.1. TRAINING POLICY

Employees:

Required:
As previously mentioned, as part of our orientation process, all new employees are required to view two basic videos.

- **Hazard Communication** – Covers SDS and Right to Know
- **Bloodborne Pathogens** – Covers the techniques used to clean up and properly dispose of bodily fluids and infectious waste materials.

The following tapes are available and used frequently in our on-going training programs:

- **Ground Rules** – Covers the basics for new and current employees such as safety and security rules, work habits, preparedness, and more.
- **Office Cleaning** – Presents cleaning methods and techniques that maximize productivity and efficiency.
- **Restroom Cleaning** – Teaches techniques, covers various equipment and supplies as well as safety tips and preventative maintenance.
- **Floor Care** – Teaches proper methods in maintaining hard surfaces in the work site. This video covers anything from mopping and spray buffing to deep scrubbing, stripping and waxing.
- **Carpet Care** – Teaches preventative maintenance, spot removal and use of a wide range of equipment in the care of various types of carpeting.
- **Right to Know** – A more in-depth look at the employee's rights in the safe use of chemicals.
- **Safety** – Several tapes are in our library concerning the importance of safety in relating to various work assignments. This includes proper lifting, use of and maintenance of equipment, proper safety signage, and storage of supplies.

The following tapes are just a few of the many tapes available for our operations management teams to view and study:

- **Planning and Organization** – An outstanding tool for time management.
- **Sexual Harassment** – A part of our policy on maintaining a harassment-free workplace.
- **Concepts in Focus** – Covers goal setting and team building.
- **Customer Service is Everyone’s Responsibility** – Covers customer relations and problem solving.
- **Telephone Courtesy** – A short video on customer service over the telephone.

Finally, it should be noted that we have many other videos available on cleaning techniques and chemicals that have been supplied by our outstanding vendors.
Management:

In addition to video training, GSF USA, Inc. is committed in many other ways to the continued development of our management staffs. We understand that knowledge is the real power behind growing our supervisors so that they, in turn, can better serve our employees and our customers.

Specifically, here are some of the means used to facilitate the knowledge of our management teams.

- Management seminars that focus on particular topics that can increase a supervisor's efficiency, knowledge of labor issues, training techniques and employee relations.
- Meetings with major suppliers and vendors on the latest cleaning products and equipment. These meetings also include "train-the-trainer" sessions.
- Attend trade show workshops such as the Building Service Contractors Association International Show and the International Sanitary Supply Association Show. These demonstrate techniques to enhance efficiency, productivity and quality control.
- In-house training meetings specifically focused on one topic such as sexual harassment, emergency evacuation, performance evaluations, etc.
<table>
<thead>
<tr>
<th>Month</th>
<th>Subject</th>
<th>Trainer</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>March</td>
<td><strong>OSHA PROGRAM</strong>&lt;br&gt;Transmission of Bloodborne Pathogens&lt;br&gt;Methods of recognizing exposure &amp; engineering&lt;br&gt;Control, practice control, protective equipment&lt;br&gt;Decontamination and disposal of protective gear&lt;br&gt;Appropriate procedures for exposure incidents&lt;br&gt;Labeling of Bio-Hazards&lt;br&gt;Right to know&lt;br&gt;SDS sheets&lt;br&gt;Labeling of chemicals&lt;br&gt;Inventory of hazardous Chemicals&lt;br&gt;Protective Gear&lt;br&gt;Written OSHA Program standard 1910, 1030</td>
<td>Miguel Barajas</td>
<td>2/3/2017</td>
</tr>
<tr>
<td>April</td>
<td><strong>SAFETY FOR CUSTODIANS</strong>&lt;br&gt;Safety is everyone's business&lt;br&gt;Remove spills and obstructions&lt;br&gt;Report all injuries&lt;br&gt;The safety committee&lt;br&gt;Walk don't run&lt;br&gt;Beware of swinging doors&lt;br&gt;No horseplay&lt;br&gt;Report defective equipment</td>
<td>Miguel Barajas</td>
<td>3/5/2017</td>
</tr>
<tr>
<td>May</td>
<td><strong>INTERNAL POLICIES</strong>&lt;br&gt;Rules and Regulations Maintenance Engineering&lt;br&gt;Progressive Discipline&lt;br&gt;Excessive Absenteeism&lt;br&gt;Chronic Lateness</td>
<td>Miguel Barajas</td>
<td>4/4/2017</td>
</tr>
<tr>
<td>June</td>
<td><strong>CARPET CLEANING PROGRAM</strong>&lt;br&gt;Rotary floor machine shampooing&lt;br&gt;Spin pad method&lt;br&gt;Hot water extraction&lt;br&gt;Cleaning carpet in a planned pattern&lt;br&gt;Don't create problems for yourself&lt;br&gt;Protect yourself from danger&lt;br&gt;CFR Equipment <em>(techniques &amp; maintenance)</em>&lt;br&gt;Fabric upholstery cleaning&lt;br&gt;Shampooing armchairs &amp; couches</td>
<td>Miguel Barajas</td>
<td>5/4/2017</td>
</tr>
<tr>
<td>July</td>
<td><strong>SEXUAL HARASSMENT</strong>&lt;br&gt;Characteristics of sexual harassment&lt;br&gt;Unwelcome sexual advances in the workplace&lt;br&gt;Gender-based animosity&lt;br&gt;Sexual charged workplace behaviors</td>
<td>Miguel Barajas</td>
<td>6/3/2017</td>
</tr>
<tr>
<td>Month</td>
<td>Subject</td>
<td>Trainer</td>
<td>Date</td>
</tr>
<tr>
<td>-----------</td>
<td>----------------------------------------------</td>
<td>--------------</td>
<td>----------</td>
</tr>
<tr>
<td>August</td>
<td><strong>RESTROOM SANITATION</strong></td>
<td>Miguel Barajas</td>
<td>7/3/2017</td>
</tr>
<tr>
<td></td>
<td>Trash removal, cleaning methods</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Odor control &amp; drain maintenance</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sanitizing toilets and urinals</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Basin sanitation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mirror and bright work cleaning</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Spot cleaning of walls</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Partitions and dividers cleaning</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vents, light fixtures and ledges dusting</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>When and how to sweep-wet mop</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guidelines for self inspection</td>
<td></td>
<td></td>
</tr>
<tr>
<td>September</td>
<td><strong>FLOOR CARE PROGRAM</strong></td>
<td>Miguel Barajas</td>
<td>8/2/2017</td>
</tr>
<tr>
<td></td>
<td>Hard floor daily maintenance</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Spray buffing</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stripping and waxing</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Automatic equipment</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Floor preparation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dust mopping</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>High speed burnishing of resilient floors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>October</td>
<td><strong>INTERIOR OFFICE BUILDING CLEANING</strong></td>
<td>Miguel Barajas</td>
<td>9/1/2017</td>
</tr>
<tr>
<td></td>
<td>Getting ready to clean</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Empty waste baskets-insert liners</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Empty ashtrays</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Horizontal dusting</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Spot clean walls, knobs, plates</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vacuum carpet and mop floor</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Auto inspection-correct problems</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>How to work around computer equipment</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cleaning office furniture and accessories</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Telephone and drinking fountain sanitation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wood paneling cleaning</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Window ledges, bookcase shelves cleaning</td>
<td></td>
<td></td>
</tr>
<tr>
<td>November</td>
<td><strong>OSHA PROGRAM</strong></td>
<td>Miguel Barajas</td>
<td>10/1/2017</td>
</tr>
<tr>
<td>December</td>
<td><strong>RESTROOM SANITATION</strong></td>
<td>Miguel Barajas</td>
<td>10/31/2017</td>
</tr>
<tr>
<td>January</td>
<td><strong>FLOOR CARE PROGRAM</strong></td>
<td>Miguel Barajas</td>
<td>11/30/2017</td>
</tr>
<tr>
<td>February</td>
<td><strong>INTERIOR OFFICE CLEANING</strong></td>
<td>Miguel Barajas</td>
<td>1/4/2018</td>
</tr>
</tbody>
</table>
8.2. TIMEKEEPING

GSF has implemented electronic timekeeping in our sites. GSF has partnered with EPAY systems to offer customized timekeeping solutions for sites of varying sizes through biometric, tablet based mobile solutions, and telephone based time clocks. These time clocks are mounted at the site, preventing clocking in remotely.

Employees punch in using an employee identification number and personal password. Through EPAY’s BlueForce timekeeping system, branch managers and supervisors can log in and view the staff’s punches in and out in real time. By implementing these secure time clocks, GSF has increased employee accountability, decreased manual time sheet errors, and minimized time theft.

Through the software, systems of controls are in place to prohibit or limit the adjustments and approvals possible on a user level basis. Because GSF uses electronic time keeping, our clients are assured that they are getting the time they are paying for.
8.3. UNIFORM STANDARD

GSF Issued Smock or T-Shirt
- Smock should be worn zipped closed over another shirt of your choosing
- Smock or t-shirt are kept clean and presentable at the start of each work shift

Black work pants (example Dockers style pants)
- No stretch pants or sweat pants
- No athletic pants

Pants should fit appropriately in size and length.
Pants should be clean and presentable at the start of each work shift.

Three-Season Jacket
- Issued for the employees working outside
- All-weather 100% waterproof shell with smooth taffeta-lining makes layering a breeze
- Waterproof/Breathable Insulated Nylon Parka can be worn alone
- Wind and rain resistant Lightweight Soft Shell Jacket can be worn alone
- Reflective piping and tape offers greater visibility and safety

Solid Black Gym Shoes
- Shoes should be safe and comfortable
- No high heels, sandals, or flip flops
- Clean black work boots are acceptable as long as the soles do not make marks on the floors
8.4. SECURITY/ BACKGROUND CLEARANCE

GSF USA is familiar with high security and special security procedures for access to facilities we clean. As you can see from our references, we provide cleaning service for many government and other buildings requiring high levels of security, including schools, daycares, and one of the three major credit reporting agencies.

We support our clients in their efforts to maintain confidentiality, safety, and security by providing our standard background checks performed on all GSF employees as well as any additional clearances or checks clients may require including fingerprint backgrounds, drug and alcohol screenings, healthcare worker registry screenings, and TSA clearances.

All GSF employees can be recognized by their uniform and company ID badge for quick identification.

All employees are trained on the site specific lock and key procedures to ensure the security of the buildings and individual tenants' spaces.
8.5. EMPLOYEE BENEFITS

VACATION AND SICK TIME
All regular full-time hourly employees are eligible for 40 hours paid vacation time on their employment anniversary date, and 80 hours paid vacation time on 3rd year anniversary date or the anniversary date of transfer into an eligible full-time position. All regular full time hourly employees are eligible for 24 hours of sick time following 90 consecutive calendar days. Employees hired mid-year or transferred into an eligible full time position will receive a prorated number of sick time hours based on the date of hire or transfer.

<table>
<thead>
<tr>
<th>Employee Type</th>
<th>Years of Service</th>
<th>Annual Vacation Allotment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Time Hourly Non-Union</td>
<td>One through Three</td>
<td>40 Hours</td>
</tr>
<tr>
<td>Full Time Hourly Non-Union</td>
<td>Three or More</td>
<td>80 Hours</td>
</tr>
</tbody>
</table>

BEREAVEMENT TIME
All regular full-time employees are eligible for bereavement time. If a death occurs in your immediate family, you can take up to 3 days paid and 2 days unpaid to attend the funeral and handle other related matters. For extended family, you can take up to 1 day paid and 2 days unpaid.

JURY AND WITNESS DUTY
The Company supports its employees that are called to perform their civic duty by participating as a juror or witness in the processes of justice. Therefore, if an employee is summoned to appear as either a juror or witness, they are eligible for leave during the time in which they are an active participant in a trial.

Regular, full-time employees that have worked for the Company for a minimum of ninety (90) consecutive calendar days are eligible to receive Jury/Witness Duty pay. That pay is calculated as the difference between the employee’s regular pay and the stipend they receive (in the case of jury duty) from the court, for up to 10 days per calendar year.

401(K) SAVINGS & RETIREMENT PLAN
To be eligible to enroll in the plan, employees must be at least 21 years of age, and have completed one year of service in which they worked at least 1000 hours.

The Company offers an outstanding program for our employees to do some long-term savings and investing toward their retirement. This is very important since, for most people, Social Security will not provide enough income by itself to support a comfortable retirement. Our 401(k) plan combines Company matching contributions with a wide range of investment choices, allowing employees to customize their program based on current income and long-term goals. The Company matches an employee's tax-deferred contributions to the 401(k) plan by contributing an equal amount for each dollar of the participant's pay up to the first 4% of their income.
INSURANCE 2017
Employees working over an average of 30 hours are eligible to enroll in a medical insurance plan consistent with the Affordable Care Act. There are three options for plans, all which provide at least the minimal essential coverage required and meet other requirements mandated by the ACA. The cost for the plan is shared between GSF and the employee consistent with the ACA regulations.

<table>
<thead>
<tr>
<th>Plan Name</th>
<th>Employee Monthly Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MEC</strong></td>
<td></td>
</tr>
<tr>
<td>EE Only</td>
<td>34.50</td>
</tr>
<tr>
<td>EE + Spouse</td>
<td>74.25</td>
</tr>
<tr>
<td>EE + Children</td>
<td>136.49</td>
</tr>
<tr>
<td>EE + Family</td>
<td>176.24</td>
</tr>
<tr>
<td><strong>MEC Heavy</strong></td>
<td></td>
</tr>
<tr>
<td>EE Only</td>
<td>103.40</td>
</tr>
<tr>
<td>EE + Spouse</td>
<td>273.30</td>
</tr>
<tr>
<td>EE + Children</td>
<td>264.32</td>
</tr>
<tr>
<td>EE + Family</td>
<td>442.96</td>
</tr>
<tr>
<td><strong>MEC Heavy Preferred</strong></td>
<td></td>
</tr>
<tr>
<td>EE Only</td>
<td>115.86</td>
</tr>
<tr>
<td>EE + Spouse</td>
<td>308.70</td>
</tr>
<tr>
<td>EE + Children</td>
<td>298.72</td>
</tr>
<tr>
<td>EE + Family</td>
<td>501.50</td>
</tr>
<tr>
<td>Covered Benefits</td>
<td>MEC In-Network</td>
</tr>
<tr>
<td>-------------------------------------------------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>Deductible (single/family)</td>
<td>$0 / $0</td>
</tr>
<tr>
<td>Coinsurance (employee portion)</td>
<td>0%</td>
</tr>
<tr>
<td>Out-of-Pocket Maximum</td>
<td>$0 / $0</td>
</tr>
<tr>
<td><strong>PPO Network</strong></td>
<td></td>
</tr>
<tr>
<td>Emergency Room Services</td>
<td>N/A</td>
</tr>
<tr>
<td>Inpatient Hospital Services</td>
<td>N/A</td>
</tr>
<tr>
<td>Primary Care Visit to Treat an Injury or Illness</td>
<td>N/A</td>
</tr>
<tr>
<td>Specialist Visit</td>
<td>N/A</td>
</tr>
<tr>
<td>Mental/Behavioral Health and Substance Abuse Disorder</td>
<td>N/A</td>
</tr>
<tr>
<td>Outpatient Services</td>
<td>N/A</td>
</tr>
<tr>
<td>Imaging (CT, PET Scans, MRIs)</td>
<td>N/A</td>
</tr>
<tr>
<td>Rehabilitative Speech Therapy</td>
<td>N/A</td>
</tr>
<tr>
<td>Rehabilitative Occupational and Rehabilitative</td>
<td>N/A</td>
</tr>
<tr>
<td>Physical Therapy</td>
<td>N/A</td>
</tr>
<tr>
<td>Preventive Care/ Screening/Immunization (MEC)</td>
<td>Covers 100% of the 73</td>
</tr>
<tr>
<td></td>
<td>listed Preventive and</td>
</tr>
<tr>
<td></td>
<td>Wellness Benefits</td>
</tr>
<tr>
<td></td>
<td>(See page titled</td>
</tr>
<tr>
<td></td>
<td>Preventive Services)</td>
</tr>
<tr>
<td>Laboratory Outpatient and Professional Services</td>
<td>N/A</td>
</tr>
<tr>
<td>X-rays and Diagnostic Imaging</td>
<td>N/A</td>
</tr>
<tr>
<td>Outpatient Facility Fee</td>
<td>N/A</td>
</tr>
<tr>
<td>Outpatient Surgery Physician/Surgical Services</td>
<td>N/A</td>
</tr>
<tr>
<td>Chronic Disease Management (CDM) Benefit</td>
<td>N/A</td>
</tr>
<tr>
<td>Life AD&amp;D Benefit</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>RealTimeTelemed</strong></td>
<td></td>
</tr>
<tr>
<td>Telemmedicine</td>
<td>Unlimited Calls</td>
</tr>
<tr>
<td>Geo Fencing ER and RX</td>
<td>Unlimited Access</td>
</tr>
<tr>
<td>Covered Benefits</td>
<td>MEC Heavy™</td>
</tr>
<tr>
<td>-------------------------------------------------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>Deductible (single/family)</td>
<td>$0 / $0</td>
</tr>
<tr>
<td>Coinsurance (employee portion)</td>
<td>0%</td>
</tr>
<tr>
<td>Out-of-Pocket Maximum</td>
<td>$5,000 / $13,200</td>
</tr>
<tr>
<td>PPO Network</td>
<td></td>
</tr>
<tr>
<td>Chronic Disease Management (CDM) Benefit</td>
<td>Covered Services at 100% (61 services) for 26 Predefined Chronic Diseases</td>
</tr>
<tr>
<td>Preventive Care/Screening/Immunization (MEC)</td>
<td>Covers 100% of the 73 listed Preventive and Wellness Benefits (See page titled Preventive Services)</td>
</tr>
<tr>
<td>Laboratory Outpatient and Professional Services (Non-Emergency Room Only)</td>
<td>$75 copay (per lab) then plan pays 100%</td>
</tr>
<tr>
<td>X-rays and Diagnostic Imaging (Non-Emergency Room Only)</td>
<td>$75 copay (per image) then plan pays 100%</td>
</tr>
<tr>
<td>Imaging (CT, PET Scans, MRIs) (Non-Emergency Room Only)</td>
<td>$500 copay (per image) then plan pays 100%</td>
</tr>
<tr>
<td>Prescription Drugs (Generic Only)</td>
<td>$15 copay then plan pays 100%</td>
</tr>
<tr>
<td>Life AD&amp;D Benefit</td>
<td>$10,000</td>
</tr>
</tbody>
</table>

RealTimeTelemed

Telemedicine

Unlimited Calls

Geo Fencing ER and RX

Unlimited Access

RealTimeChoices Cost Transparency Program

Unlimited Access

RealTimeHealth Diabetic Program

Limited Medical Benefits

<table>
<thead>
<tr>
<th>Covered Benefits</th>
<th>MEC Heavy™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inpatient Hospital Daily Indemnity Benefit</td>
<td>$500 per day with 180 day benefit period maximum.</td>
</tr>
<tr>
<td>Initial Hospital Admission Daily Indemnity Benefit</td>
<td>N/A</td>
</tr>
<tr>
<td>Inpatient Surgery &amp; Anesthesia Daily Indemnity Benefit</td>
<td>N/A</td>
</tr>
<tr>
<td>Outpatient Surgery &amp; Anesthesia Daily Indemnity Benefit</td>
<td>N/A</td>
</tr>
<tr>
<td>Intensive Care Daily Indemnity Benefit</td>
<td>N/A</td>
</tr>
<tr>
<td>Outpatient Physician Office Visit Benefit (PCP and Specialist Visits)</td>
<td>$100 daily benefit with a maximum of 3 days per benefit period.</td>
</tr>
<tr>
<td>Emergency Room Benefit</td>
<td>$200 daily benefit with a maximum of 1 day per benefit period.</td>
</tr>
<tr>
<td>Critical Illness Benefit</td>
<td>$5,000 per employee</td>
</tr>
<tr>
<td>Covered Benefits</td>
<td>MEC Heavy™ Preferred</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>-----------------------------------------------------------</td>
</tr>
<tr>
<td>Inpatient Hospital Daily Indemnity Benefit</td>
<td>$500 per day with 180 day benefit period maximum.</td>
</tr>
<tr>
<td>Initial Hospital Admission Daily Indemnity</td>
<td>$1,000 1 day benefit with a maximum of 1 admission per</td>
</tr>
<tr>
<td>Benefit</td>
<td>benefit period.</td>
</tr>
<tr>
<td>Inpatient Surgery &amp; Anesthesia Daily Indemnity</td>
<td>$500 daily benefit with a maximum of 1 day per benefit</td>
</tr>
<tr>
<td>Benefit</td>
<td>period. Includes a 20% Daily Anesthesia Benefit.</td>
</tr>
<tr>
<td>Outpatient Surgery &amp; Anesthesia Daily Indemnity</td>
<td>$250 daily benefit with a maximum of 1 day per benefit</td>
</tr>
<tr>
<td>Benefit</td>
<td>period. Includes a 20% Daily Anesthesia Benefit.</td>
</tr>
<tr>
<td>Intensive Care Daily Indemnity Benefit</td>
<td>$500 daily benefit with a maximum of 30 days per benefit</td>
</tr>
<tr>
<td></td>
<td>period.</td>
</tr>
<tr>
<td>Outpatient Physician Office Visit Benefit (PCP</td>
<td>$100 daily benefit with a maximum of 3 days per benefit</td>
</tr>
<tr>
<td>and Specialist Visits)</td>
<td>period.</td>
</tr>
<tr>
<td>Emergency Room Benefit</td>
<td>$200 daily benefit with a maximum of 1 day per benefit</td>
</tr>
<tr>
<td>Critical Illness Benefit</td>
<td>$5,000 per employee</td>
</tr>
</tbody>
</table>
8.6. SAFETY PROGRAM

GSF USA, Inc. believes strongly that all of our employees have the right to work in a safe and healthy environment. The Company maintains a commitment to safety education in order to meet the ongoing goal of an injury and illness free workplace. Our training programs are comprehensive and comply with all applicable laws and regulations regarding workplace safety.

While it is impossible to completely eliminate workplace injuries and illness, GSF USA, Inc. has implemented a corporate safety program to reduce the possibilities of accidents and exposures. It is the responsibility of each employee to work together to ensure that rules, policies and measures are all followed for the safety and benefit of everyone. Besides a safer and healthier environment, following the corporate safety program has other benefits such as:

- Higher employee morale associated with the confidence that employees have a safe work area. Fewer injuries also results in better team attendance, another plus for employee morale.

- Reduction of costs associated with occupational injuries and illnesses. Examples of such costs are: lost time, damaged supplies or equipment, worker’s compensation costs, cost of hiring and training replacements, and even a reduction in productivity or quality.

- Reduction in worker’s compensation or liability insurance premiums for tenants and GSF.

- Elimination of fines and penalties as a result of non-compliance with government regulations.

The GSF Safety Program includes, but is not limited to, educating our employees in the following areas:

- General Safety and Housekeeping Practices
- Hazard Communication Program
- Bloodborne Pathogens
- Injury Reporting and Investigation
- Emergency Evacuation Procedures
- Fire Prevention

In the event of an injury or illness to one of our employees, GSF USA, Inc. works with both local medical centers to treat our workers and get them back to work as soon as they are medically fit. Tobias Insurance Company works in partnership with GSF through our injury investigations, transitional work programs and accident prevention efforts to help monitor and improve our overall safety record.
8.7. BLOODBORNE PATHOGENS OVERVIEW

The potentially deadly diseases that exist within blood and other bodily fluids has heightened awareness of the existence of bloodborne pathogens. Accordingly, GSF has stepped up and expanded our training programs in this area, particularly for those employees in higher risk areas or positions.

OSHA defines bloodborne pathogens as microorganisms that are present in human blood that can cause diseases in humans. These microorganisms include viruses that can cause conditions such as Hepatitis B, Hepatitis C and Human Immunodeficiency (HIV). In all, there are 14 different diseases listed by OSHA as part of their Bloodborne Pathogens Standard. This standard, established in 1992 is designed to protect workers in a variety of jobs, workplaces and conditions.

The most obvious group of workers and those employers held to the strictest regulations are those in the medical and health care fields. However, many other professions are also included as those with a potentially high risk of occupational exposure. These include law enforcement officers, firefighters, rescue workers, first-aid personnel, laundry workers, waste removal personnel and laboratory technicians.

Due to the nature of our work, there is a slight, but potential risk of exposure in some of our positions and workplaces. We have identified those employees that work in the cleaning of medical facilities and those in other locations that are authorized to clean up spills of blood or other potentially infectious material (OPIM).

Our Bloodborne Pathogen Program contains the following elements:

- A Written Plan in accordance with OSHA requirements
- Steps to minimize exposure
- Vaccination programs
- Initial and ongoing training
- Documentation of exposure incidents
- Records maintenance

Written Plan

In its written plan, GSF has identified the tasks, procedures and job classes where a significant occupation exposure exists, regardless of the use of personal protective equipment. The plan addresses all required OSHA components and is accessible to employees in both English and Spanish. The plan is updated as regulations or work conditions change.
Records Maintenance

GSF maintains records on those employees identified in the significant exposure classification, including training, immunization and medical records. These records include the employee's name, SS number, vaccination status, test results, exposure incidents and physician opinions. All records are maintained with regard to current federal HIPAA regulations. Training records are kept for at least three years, documenting training classes, dates, course content and trainer qualifications.

Documentation of Exposure Incidents

GSF will, as required by law, make a confidential medical exam available to any exposed employee. This report will document the circumstances surrounding the exposure, the tests (and the results) given to the exposed employee and what follow up treatment or tests are necessary. The health care provider is required to make this information available in a written opinion to the employer and employee within 15 days of the test/evaluation.

Signs & Labels

GSF employees that are trained and authorized to clean up blood and OPIM substances must use the containers with the orange-red biohazard symbol marked on the outside. Red bags with the biohazard symbol are used to transport these containers to their final disposal containers. If an authorized biohazard disposal container is not available at the workplace, designated employees will transport the containers/bags to an authorized holding center to await final disposal.

Work Practices

Employees in significant exposure job classifications are required to wear personal protective equipment such as goggles or gloves to minimize exposure. Employees are also instructed to use safe work area habits, such as washing, label examination, and restricting their eating and smoking to authorized areas. They are also instructed to treat ANY bodily fluids as if they were infectious, regardless of risk perception. These are all designed to lower exposure risk factors.

Vaccination Program

GSF makes free Hepatitis B vaccinations available to all employees that are in job classifications that are considered at significant risk of exposure. Any employee can decline such vaccination and this decision will be documented. The employee may, at a later date, still take advantage of this program at no cost, should they decide to participate.
Training

Designated workers must receive initial training and an annual review. Elements contained within this training include:

- The BBP Standard and the Company's specific programs that are regulated by it.
- The definition of BBP's, the symptoms and means of transmission.
- An explanation of the Company's Exposure Control Plan.
- The recognition of exposure-related tasks.
- The use of PPE, good work habits and other methods of exposure control.
- The Company's vaccination program.
- Emergency response procedures.
- Sign and labels.
- Exposure and post-exposure procedures and protection.
- A question and answer session.

Summary

At GSF, we are committed to the protection and safety of our employees with regard to exposure to BBP's. Our program is both exposure and performance based. In other words, we have identified those at significant risk and have designed a comprehensive program to protect them through training and cleaning procedures aimed at minimizing exposure.
8.8. HAZARD COMMUNICATION

GSF USA, Inc. understands the serious nature and potential hazards associated with working with chemicals. Most of our employees work with and are therefore exposed to various cleaning solutions and maintenance chemicals each day. Therefore, this Hazard Communications Training has been designed to inform and educate our workers in the following categories:

- Methods and observations that can be used to detect the presence or release of potentially hazardous chemicals.
- Physical and health hazards associated with using chemicals.
- Means of protection that can be used when working with chemicals.
- "Right to Know" standards and the understanding of Material Safety Data Sheets.

It is the expectation of the Company that each employee learn and follow all of the Hazard Communication program as a condition of beginning and continuing their employment with GSF USA, Inc. It is essential for their safety and the safety of co-workers that these standards are followed closely.

The program includes the following:

- A review of hazardous chemicals and the physical harm they can cause through inhalation, absorption and ingestion.
- Careful examination of warning labels including basic warnings, signal warnings, physical hazard and health hazard information.
- An overview of the information on Material Safety Data Sheets (MSDS) including:
  - Chemical Identification
  - Physical Characteristics
  - Hazardous Ingredients
  - Health Hazards
  - Physical Hazards
  - Handling Precautions
  - First Aid Procedures
  - Reactivity
  - Control Procedures

- A more detailed explanation of various control procedures to include:
  - Storage and Disposal Procedures
  - Avoiding Hazardous Situations
  - Spill and Leak Procedures
  - Personal Protective Equipment
<table>
<thead>
<tr>
<th>LEED EB Contribution</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/2</td>
<td>Windsor S2 Hepa 14&quot; Vacuum</td>
</tr>
<tr>
<td>3/2</td>
<td>Vacuum, backpack Pro Team - SuperVac Hepa</td>
</tr>
<tr>
<td>2/4/5</td>
<td>Intelbot Robotic Scrubber</td>
</tr>
<tr>
<td>2/4/5</td>
<td>T12XP Rider Scrubber with Ec-H20</td>
</tr>
<tr>
<td>2/4/5</td>
<td>T300 Walk-Behind Scrubber with Ec-H20</td>
</tr>
<tr>
<td>2/4/5</td>
<td>6680 Walk-Behind Scrubber / 28&quot; - ec-H2O NanoClean™ Technology</td>
</tr>
<tr>
<td>2</td>
<td>E6 - Cord Electric 5-gal. Extractor</td>
</tr>
<tr>
<td>LEED EB Contribution</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>2/5</td>
<td>B-7 Walk Behind Burnisher, 27&quot; Battery Powered</td>
</tr>
<tr>
<td>2</td>
<td>BR-2000-DC Dust Control Burnisher - 2000 rpm 20&quot;</td>
</tr>
<tr>
<td></td>
<td>Koblenz floor Machine 20&quot;</td>
</tr>
<tr>
<td></td>
<td>EX-SC-716 Tennet Self Contained Extractor</td>
</tr>
<tr>
<td></td>
<td>Task force 17 Wet-Dry Vacuum</td>
</tr>
<tr>
<td></td>
<td>High Security Cleaning Cart</td>
</tr>
<tr>
<td></td>
<td>KalVac 1215</td>
</tr>
</tbody>
</table>
POWERFUL, RELIABLE SINGLE-MOTOR HEPA VACUUM.

The reliable, durable, serviceable upright vac with HEPA filtration.
The most durable single-motor upright vacuum in its class.

The Sensor S2 12 HEPA and Sensor S2 14 HEPA are the market leaders in cleaning performance and reliability. HEPA final stage filtration comes standard on every vacuum for optimum indoor air quality. These lightweight and quiet vacuums are built for the performance needs of hospitality, education, healthcare and senior living markets.

1. HEPA final stage filtration
   - HEPA filter standard on every vacuum for better indoor air quality.
   - Dual-stage filtration provides cleaner air to the filter, extending the life up to 200-300 hours, saving you time and money.

2. Best warranty in its class
   - 3-year "bumper to handle" warranty, provides you the best protection the industry has to offer.

3. Reliability
   - Bag-full and check brush indicators are mechanical for even greater reliability.

4. Serviceability
   - Tool-free power cord change.
   - All electronics located in the base of unit, eliminating wear on swivels and connectors, improving reliability and serviceability.

5. Extremely Quiet
   - Daytime cleaning and operation in noise-sensitive areas possible with the low noise level of 67 dB(A).
# Technical Data and Equipment

<table>
<thead>
<tr>
<th>Sensor S2 12 HEPA</th>
<th>Sensor S2 14 HEPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>25' high visibility power cable</td>
<td>40' high visibility power cable</td>
</tr>
<tr>
<td>HEPA filter</td>
<td>HEPA filter</td>
</tr>
<tr>
<td>Tool-free brush strip replacement</td>
<td>Tool-free brush strip replacement</td>
</tr>
<tr>
<td>1.5 lbs. handle weight</td>
<td>1.5 lbs. handle weight</td>
</tr>
</tbody>
</table>

## Technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sensor S2 12 HEPA</th>
<th>Sensor S2 14 HEPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air flow rate CFM</td>
<td>105</td>
<td>105</td>
</tr>
<tr>
<td>Vacuum in. H₂O</td>
<td>90'</td>
<td>90'</td>
</tr>
<tr>
<td>Container capacity gallons</td>
<td>1.4 (5.3 l)</td>
<td>1.4 (5.3 l)</td>
</tr>
<tr>
<td>Brush motor / speed hp</td>
<td>1.6</td>
<td>1.6</td>
</tr>
<tr>
<td>Brush speed rpm</td>
<td>2700</td>
<td>2700</td>
</tr>
<tr>
<td>Max power rating W</td>
<td>1230</td>
<td>1230</td>
</tr>
<tr>
<td>Working width inches</td>
<td>12</td>
<td>14</td>
</tr>
<tr>
<td>Cable length feet</td>
<td>25</td>
<td>40</td>
</tr>
<tr>
<td>Sound level dB(A)</td>
<td>67</td>
<td>67</td>
</tr>
<tr>
<td>Weight (including cord) lbs</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Dimensions (L x W x H) inches</td>
<td>11&quot; x 12&quot; x 6&quot;</td>
<td>11&quot; x 14&quot; x 6&quot;</td>
</tr>
</tbody>
</table>

## Features

- HEPA filter
- On-board tools (upholstery, crevice, dusting) brush
- High impact ABS plastic
- 3-year warranty protection

<table>
<thead>
<tr>
<th>Order No.</th>
<th>1.012-070.0</th>
<th>1.012-071.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Included in delivery.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Super CoachVac® HEPA
107119* Super CoachVac HEPA w/ Xover Floor Tool Kit D (107100)

The Super CoachVac HEPA is a productivity powerhouse designed to tackle the most demanding cleaning challenges. This powerful and high filtration unit is ideal for vacuuming high square-footage areas that require the utmost cleanliness.

ERGONOMIC

PRODUCTIVE

COST OF OWNERSHIP

10 qt.

LARGE CAPACITY

CLEANING FOR HEALTH

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight:</td>
<td>11 lbs./4.99 kg</td>
</tr>
<tr>
<td>Airflow:</td>
<td>159 CFM</td>
</tr>
<tr>
<td>Static Lift:</td>
<td>100 in.</td>
</tr>
<tr>
<td>Motor:</td>
<td>1108 W/9.9 A</td>
</tr>
<tr>
<td>Decibel:</td>
<td>66 dBA</td>
</tr>
<tr>
<td>Capacity:</td>
<td>10 qt./11 L</td>
</tr>
<tr>
<td>Four Level Filtration w/ HEPA:</td>
<td>1190 sq. in. total area</td>
</tr>
</tbody>
</table>

HEPA Filtration

99.97% at 0.3 microns

Warranty

3 years parts, labor and motor on vacuum
Limited lifetime on molded body parts

*STANDARD CONFIGURATION

14" Xover Floor Tool
Telescoping Wand
5" Upholstery Tool
3" Dust Brush
17" Crevise Tool

OPTIONAL CONFIGURATIONS

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>107104 w/ Xover Performance Floor Tool Kit A (107097)</td>
<td>$539</td>
</tr>
<tr>
<td>107109 w/ Xover Floor Tool Kit B (107098)</td>
<td>$539</td>
</tr>
<tr>
<td>107114 w/ Xover Performance Floor Tool Kit C (107099)</td>
<td>$539</td>
</tr>
</tbody>
</table>
Fairview School District Case Study

The Customer
Fairview School District 72 in Skokie, Ill has a mixed-use building that includes the school and district office in one 150,000-square foot space. In Skokie, as elsewhere, public education is a commitment to high standards especially when striving for academic excellence. With school expenditures amounting to millions of dollars, districts like Fairview are looking for ways to be more efficient with processes including keeping facilities clean.

Challenge
Fairview administrators knew how important it was to keep the school clean and sanitary for both staff and students but were challenged to make the investment in custodial crew and proper equipment that would achieve the caliber of clean needed. That’s where GSF USA came in. According to GSF general manager, Kurt Kuempel, the global cleaning services company has the ability to make the capital investments its clients do not want to deal with.

In 2013 Fairview administrators were seeking a competitively priced cleaning program to tackle its multi-use building that houses students from kindergarten through twelfth grade. Proper floor care was a major concern for the school where busy hallways take their toll under harsh daily use by hundreds of students, particularly during wet winter months.

Solution
When Kuempel was introduced to TASKI® Intellibot and the myriad benefits of robotic cleaning, he knew it would satisfy Fairview’s floor care needs and budget concerns. The intelligent cleaning machine also fit GSF’s mission to take aggressive steps toward finding innovative solutions to solve its clients’ problems.

Kuempel incorporated a hands-free scrubber machine on his night crew so he could repurpose labor and increase productivity in other areas of the school. Use of the TASKI® Intellibot SWINGOBOT 1650™ has allowed him to utilize his five-member staff at Fairview to be more efficient with a floor scrubber they can set through simple programming and simultaneously focus on other responsibilities while it’s running. Since its introduction four years ago, the scrubber has improved cleaning consistency and efficiency of overall cleaning tasks with the added bonus of an environmentally responsible approach.

The intelligent machine features a touchscreen that prompts users through the simple operating process, making it very easy to use. Sensors provide a 360-degree view that allows the sweeper/scrubber to operate hands-free through a maze of hallways that encompass approximately 75,000 square feet. An eco-friendly design uses up to 85 percent less water and cleaning solution per eight-hour shift with a 14-gallon solution tank that utilizes recycled water technology.
“There are very few building service contractors who are making the investments necessary to do cleaning the right way,” said Kuempel of the decision to purchase the machine. “With Intellibot, we’re not just doing the same stuff that’s been done forever. Introducing innovation allows Fairview and other facilities to innovate right along with us.”

Five days a week, the TASKI Intellibot travels the main school hallways in different map patterns and throughout the gymnasium in map configurations based on the activities being performed at the time. The Intellibot machine’s quiet operation and dry floors left behind provides non-disruptive use in the environment. When students are present for after school activities, observing the robot in action is educational for them too, says Kuempel. “They enjoy watching the robot and want to learn about it and ask questions,” he said. “I like the safe use – the Intellibot will never run into kids or lockers,” Kuempel added.

Results

Overall, Kuempel views the Intellibot as a valued team member. It’s able to generate detailed reports for GSF including log-in time, end of shift and areas cleaned. No special training is required and the icon-based touchscreen prompts users through all functions, regardless of language or skill level.

Kuempel has seen a reduction in the turnover rate of his cleaning staff at Fairview School over the past four years, with no turnover in over three years, an improvement that can be credited to the innovation GSF provides its team members with. According to Kuempel, the employees appreciate the investment by the company that enables them to be more efficient. The GSF cleaning program, including its staff and use of the TASKI Intellibot, has strengthened the company’s partnership with the school and elevated their quality of clean. GSF’s investment in robotics exemplifies its dedication to Fairview’s business and sets them apart from competitors.
Hands-Free Cleaning

**SWINGOBOT 1650**
SCRUBBER - for hard surfaces

A 29" (74 cm) disc scrubber. Improves cleaning consistency and reduces cleaning cost.

**Cleaning just got easier:**

- **Sensors provide** a 360-degree view that allows scrubber to operate Hands-Free. Just prep, point and go.
- **Uses up to 85% less water** and cleaning solution per eight-hour shift. Accommodates most eco-friendly solutions.
- **Communicates with operator** and generates detailed reports including login time, end of shift and areas cleaned.
- **Service components** are easily accessible. Uses standard size industry brushes, pads and squeegees.
- **No special training** is required. The icon-based touchscreen prompts users through all functions, regardless of language or skill level.
- **The machines are** operated by a unique icon-based touchscreen.

Ideal for: Education | Retail | Healthcare | Manufacturing

www.intellibotrobotics.com
INTELLIGENT FEATURES

Main Computer
- Monitors all functions; commands robot to perform stored cleaning routes

Drive Subsystem
- Monitors and controls the robot's movement and position

Controls
- Manual and autonomous

Navigation
- 15 sensors provide a complete, 360-degree view around robot

Front Touch Shield
- Full width, ABS, touch-sensitive shield provides immediate braking

Rear Touch Shield
- Full width, ABS, touch-sensitive shield provides immediate braking

Security
- User-specific password protection to prevent unauthorized use

Safety Systems
- Sonar obstacle detection, infrared floor sensors, touch shields, emergency stop button

SOLUTION RECYCLING SYSTEM

Solution Feed
- Computer-controlled, adjustable flow rate to center of each brush

Solution Tank
- Integral 14-gallon (53-liter) molded high-density polyethylene with easy-access lid

Recycling System
- Four-stage automatic recycling system filters to 10 micron standard, 1 micron optional

BRUSHES AND SQUEEGEE

Pads
- Two counter-rotating 15" (38.1 cm) drivers and pads; red and white pads available
- Machines accept any standard-sized brushes in place of pads

Brush Drive Motors
- Two 24 VDC, 0.75 HP, 200 RPM, permanent magnet type, direct drive

Brush Head
- Brushes/pads are changeable without removing head from machine

Scrubbing Width
- 29" (73.66 cm)

Scrubbing Pressure
- 100 lbs. (45.36 kg)

Squeegee
- 32" (81.28 cm), parabolic, self-centering swing style with plastic end rollers and quick change, four-edge, reversible gum rubber blade

DRIVE SYSTEM

Drive Motors
- Two 24 VDC precision motors, built-in encoders, traction water displacement tread

Vacuum Motor
- Single 67 CFM vacuum

PRODUCTION

Cleaning Rate*
- Approximately 10,000 sq ft (approx. 929 sq m) per hour (avg.)

BATTERY SYSTEM

Battery
- Sealed gel cell deep cycle, 180 AH, 24 VDC output

Run Time
- Approximately four hours

Optional

Exchange Kit
- Run time can be doubled with battery exchange kit that requires no heavy lifting

Charger Unit
- 20 amp, 24 VDC output, 115 VAC input with automatic shutoff

CONSTRUCTION

Frame
- Powder-coated 5052 aluminum and stainless steel

Exterior
- High-density, molded, seamless polyethylene

Machine Length
- 48" (121.92 cm)

Machine Width
- 32" (81.28 cm)

Machine Height
- 43" (109.22 cm)

Machine Weight
- 720 lbs. (326.6 kg)

ENVIRONMENT

Temperature
- 59° to 86° F (15° to 30° C) operation, -22° to 140° F (-30° to 60° C) storage

Humidity
- 20% to 75% relative humidity

Noise
- 65 dBA normal operation

* Cleaning rate may vary, depending on environment
T12

COMPACT BATTERY-POWERED RIDER SCRUBBER

POWER
Experience the power of a heavy-duty rider scrubber and the maneuverability of a compact footprint

PRODUCTIVITY
Increase cleaning productivity by utilizing Tennant's innovative product features and chemical-free ec-H2O™ technology

EXPERIENCE
Keep cost of ownership low and ensure maximum up-time with worry-free operation, durable construction, and ease of maintenance
THE T12 DELIVERS BIG PRODUCTIVITY IN A COMPACT, MANEUVERABLE RIDER SCRUBBER

MULTIPLE BENEFITS – ALL AVAILABLE WITH THE T12

HEAVY-DUTY COMPACT PERFORMANCE
The combination of innovative features and substantial power help reduce time spent cleaning and deliver heavy-duty performance.

INCREASE PRODUCTIVITY
Get more done in less time with options such as the scrubbing side brush. Clean up to three times longer with a single tank of water using ec-H2O™ technology.

LOW COST OF OWNERSHIP
Durability, reliability, and innovative technology result in a low cost to own helping to improve the bottom line.

HEALTH AND SAFETY
Ensure peace of mind with operator safety and promote healthy and clean environments.

EASY OPERATION AND MAINTENANCE
Engineered to be easy to operate and maintain, the T12 maximizes up-time and productivity.
TENNANT'S INNOVATIVE CHEMICAL-FREE CLEANING TECHNOLOGY

ec-H2O™ technology electrically converts water into an innovative cleaning solution that cleans effectively, saves money, improves safety, and reduces environmental impact* compared to daily cleaning floor chemicals and methods.

CLEANS EFFECTIVELY
Real-world testing by customers and a third party has shown that scrubbing with ec-H2O technology effectively removes soil.

SAVES MONEY
Lower costs and improve productivity by reducing training, purchasing, storing, handling and mixing tasks associated with floor cleaning chemicals.

INCREASES SAFETY
NSFI certifies that ec-H2O technology significantly improves floor traction, which can reduce the risk of slip and fall accidents. NSF registration means that ec-H2O is safe to use even in food and beverage handling environments.

REDUCES NEGATIVE ENVIRONMENTAL IMPACT*
ec-H2O technology reduces the impact of cleaning operations on the environment in seven key categories according to a third-party study by EcoForm™. Scrubbers equipped with ec-H2O technology can scrub up to three times longer with a single tank of water using up to 70% less water than conventional floor scrubbing methods.

* Based on a study by EcoForm™. Visit www.tennantco.com for more information.

ENVIRONMENTAL STEWARDSHIP

ec-H2O™ technology is NSF (National Floor Safety Institute) Certified. NSF certified products must pass a 2-phase wet slip resistance process and have been shown to reduce the potential for slip and fall accidents. For more information visit www.nfsl.org.

ec-H2O™ technology is registered by NSF International. NSF International is an independent, not-for-profit organization that ensures formulation and labels on these products meet appropriate food safety regulations. For more information visit www.nsf.org.

ec-H2O™ technology may contribute to LEED or LEED-EBOM (Existing Building: Operations & Maintenance) points, provided other appropriate criteria are met. For more information on obtaining LEED points, please contact your sales representative or refer to the USGBC website at: www.usgbc.org.
**A** Operate easily. Operator controls are easy to use with the 1-Step™ Start Button that simplifies training and ensures consistent cleaning performance.

**B** Increase productivity. Clean floors from edge to edge and achieve a 28% wider scrub path with the optional scrubbing side brush.

**C** Durability. Extend component life and reduce maintenance cost with the AC brushless propelling motor that operates more efficiently than traditional DC motors.

**D** Enhance experience. Reduce fatigue and increase operator safety with the large operator compartment allowing substantial leg room while providing easy ingress and egress from either side of the machine.

**E** Get results. Improve cleaning results with the scrub head (disk or cylindrical) that best suits the application and simplify maintenance with no-tool brush change.

**F** Promote safety. Reduce the risk of slip and fall accidents with the Dura-Track™ parabolic squeegee system that provides excellent water recovery and can be changed easily without tools.
ENGINEERED TO BE EASY TO OPERATE AND MAINTAIN

The T12 controls simplify training and keep the operator’s attention facing forward. The large, green 1-Step™ Start Button activates the scrubbing systems and engages the most recent operating setting. Easy to identify yellow maintenance touch points help save time and money by ensuring maintenance items get checked and the machine is properly maintained and protected.

<table>
<thead>
<tr>
<th>T12 AND T12 XP STANDARD FEATURES</th>
<th>T12</th>
<th>T12 XP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large Green 1-Step™ Start Button</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>On Board Diagnostics</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>Right Hand Dash Mounted Controls and Horn Button</td>
<td>Standard</td>
<td>NA</td>
</tr>
<tr>
<td>Touch-n-Go™ Control Module</td>
<td>NA</td>
<td>Standard</td>
</tr>
<tr>
<td>Steering Wheel Mounted Horn</td>
<td>NA</td>
<td>Standard</td>
</tr>
<tr>
<td>Safety Light Package (Headlights and AV Backup Alarm)</td>
<td>Optional</td>
<td>Standard</td>
</tr>
<tr>
<td>Deluxe Seat</td>
<td>Optional</td>
<td>Standard</td>
</tr>
</tbody>
</table>

- **Vac wand** provides convenient and quick off machine spill recovery.
- **Spray hose** allows for remote access to the cleaning solution for hard to reach areas and makes machine cleanup easier.
- **Protect operators** by shielding them from falling objects with the FOPS certified overhead guard.
- **Lower maintenance** and repair costs with a heavy-duty front bumper and rear squeegee protection kit that prevents damage to the machine.
TENnantTrue® PARTS, SERVICE AND FINANCE SOLUTIONS

- Reduce rework, labor and safety costs by using only TennantTrue parts and service.
- Ensure optimal cleaning performance by selecting a TennantTrue Service program provided by a network of over 400 factory-trained Tennant service representatives.
- Improve uptime by leveraging TennantTrue parts and service.
- Simplify budgeting by bundling TennantTrue service plans, including parts, into the purchase or financing of your machine.
- Manage your cleaning program with real-time machine data from Tennant’s IRIS™ technology.

Choose GE Capital or U.S. Bancorp, our leasing providers, for simple, quick financing with flexible upgrade options.

T12 COMPACT BATTERY-POWERED RIDER SCRUBBER

SCUBBING SYSTEM

<table>
<thead>
<tr>
<th>Cleaning path</th>
<th>32 in / 810 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>With scrubbing side brush</td>
<td>41 in / 1,040 mm</td>
</tr>
</tbody>
</table>

BRUSH DRIVE SYSTEM

<table>
<thead>
<tr>
<th>Disk scrub head</th>
<th>1.0 hp / 0.75 kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brush motor (2)</td>
<td>325 rpm</td>
</tr>
<tr>
<td>Brush RPM</td>
<td>250 lb / 114 kg</td>
</tr>
<tr>
<td>Down pressure weight (variable to)</td>
<td>16 in / 405 mm</td>
</tr>
<tr>
<td>Cylindrical scrub head</td>
<td>1.0 hp / 0.75 kW</td>
</tr>
<tr>
<td>Brush motor (2)</td>
<td>600 rpm</td>
</tr>
<tr>
<td>Brush RPM</td>
<td>200 lb / 91 kg</td>
</tr>
<tr>
<td>Down pressure weight (variable to)</td>
<td>7 in / 180 mm</td>
</tr>
<tr>
<td>Brush diameter (2)</td>
<td>7 in / 180 mm</td>
</tr>
</tbody>
</table>

SOLUTION DELIVERY SYSTEM

| Solution tank | 35 gal / 132 L |

RECOVERY SYSTEM

| Recovery tank | 44 gal / 166 L |
| Demisting chamber | 9 gal / 34 L |
| Vacuum fan | 0.8 hp / 0.6 kW |
| Speed | 14,500 rpm |
| Water lift | 65 in / 1,650 mm |

PROPELLING SYSTEM

| Propel speed forward (variable to) | 5.0 mph / 8 km/h |
| Propel speed reverse (variable to) | 2.5 mph / 4 km/h |
| Propel motor | 1.2 hp / 0.89 kW |
| Gradeability | 8° / 14.1% |
| Transport at gross weight | 4° / 7% |

MACHINE SPECIFICATIONS

| Length | 67.25 in / 1,710 mm |
| Width | 37.25 in / 945 mm |
| With side brush attachment | 39 in / 990 mm |
| Height | 42.0 in / 1,065 mm |
| With overhead guard | 56 in / 1,420 mm |
| Weight | 82.5 lb / 3,695 mm |
| With standard 235 Ah batteries | 1,030 lb / 468 kg |
| Minimum aisle turn | 1,460 lb / 664 kg |
| 73 in / 1,855 mm |
| Sound level (operator’s ear) | 62 dBA; Kpa 3 dBA |
| Dcid: Mode #2* | 63 dBA; Kpa 3 dBA |
| Cylindrical: Mode #2* | (Sound pressure level tested per IEC 60335-2-72) |
| *Vacuum On, Squeegee Down, Brushes On, Brushes Up |

WARRANTY

See your local representative for warranty information

Specifications subject to change without notice.
T300
WALK-BEHIND FLOOR SCRUBBER

Delivering high performance, consistent results for virtually any hard surface condition while lowering cleaning costs
KEY T300 SCRUBBER FEATURES BUILT ON COMMITMENT, COLLABORATION, SERVICE, AND SUPPORT BY A CIRCLE OF EXPERTS SURROUNDING OUR CUSTOMERS

- **On-board machine instructions** help ensure machine is operated in a safe manner for better results, simplified training, and reduce cost to clean.

- **Insta-Click™** patent-pending head allows TennantTrue® pads and brushes to be installed ergonomically, resulting in a safer, faster, low-touch installation.

- **Vac motor** allows machine to clean using as low as 65 dBA for a safer cleaning environment.

- **Orbital head** delivers chemical-free floor stripping, reduces water consumption and the need to handle caustic stripping chemicals.

- **Squeegee design** helps ensure dirt and soils are removed from the floor for minimum risk of slip-and-fall accidents and enables faster, easier installation of replacement TennantTrue® squeegee blades.

- **Easy fill port** makes filling the unit simpler, faster, and reduces the chance of spills; and the integrated hose clip keeps the hose in place allowing the operator to work on other tasks during the filling process.

- **Flow control valve** reduces the risk of contact with dirty recovery water and helps to control the flow rate when draining. It also decreases the need for secondary cleaning operations caused by spills.

- **Battery venting** with onboard charger fan and integrated venting allows the batteries to be charged safely with the lid closed.

- **Optimal down pressure and RPM** improves cleaning performance.

- **Accessory tray** allows you to keep the cleaning supplies you need at hand, reducing trips to the janitor closet.

- **Yellow touch points** helps prevent breakdown and simplifies preventative maintenance and training requirements.

- **New machine electronics** allow the machine to do daily cleaning of finished concrete surfaces and works with 3M™ Trizact™ System.

- **Programmable Zone settings”** for standardization of cleaning processes.
IMPROVE THE EFFECTIVENESS OF YOUR CLEANING RESOURCES, INVESTMENTS, AND OPERATIONS WITH NEW SUSTAINABLE TECHNOLOGIES.

THE T300 SCRUBBER PROVIDES THE RIGHT SOLUTION FOR YOUR SPECIFIC APPLICATION WITH A VERSATILITY THAT IS UNMATCHED IN THE INDUSTRY.

REDUCE COST TO CLEAN
Improved and durable components extend machine life and reduce cost of ownership.

IMPROVE HEALTH AND SAFETY
Innovative features help protect health and safety of your operator, building occupants, and the environment.

ENHANCE FACILITY IMAGE
Effective scrubbing capabilities help to maintain a consistently clean appearance of your facility floors.

MINIMIZE ENVIRONMENTAL IMPACT
Use of ec-H2O NanoClean™ reduces the consumption of daily floor cleaning detergents to help meet your sustainability goals.
INSIDE THE T300

Hygenic® tanks allow for easy access when cleaning to help reduce mold, bacteria and other contaminants that can grow in enclosed tanks.

On-board charger with fan and integrated venting allows batteries to charge safely with lid closed.

Vacuum motor allows machine to clean as low as 65 dBA and improves water recovery.

Optional flow control valve reduces risk of contact with dirty recovery water and helps control drain flow rate.

Easy fill port makes filling the unit simpler, faster and reduces the chance of spills.

Foot activated squeegee is easy and more ergonomic for the operator.

Insta-Click® magnetic head allows pads and brushes to be ergonomically positioned and results in faster installation.

Squeegee provides excellent water recovery to help reduce slips and falls.

ec-H2O NanoClean™ with optional Severe Environment Switch eliminates secondary cleaning operations that could increase slip and falls.

Quiet-Mode™ reduces noise levels for easy daytime cleaning without disruption. Perfect for healthcare, education, and office cleaning.
**ENGINEERED FOR PRODUCTIVITY AND VERSATILITY**

**INNOVATIVE TECHNOLOGY THAT DRIVES DIFFERENTIATION IN YOUR FACILITY**

The T300 scrubbers have multiple machine head types to fit your cleaning applications and optimize cleaning performance for specific areas.

![Image of T300 scrubbers with different head types: Single disk, Orbital, Dual disk, Dual Cylindrical.](image)

- **Single disk:** 17 in / 430 mm & 20 in / 500 mm
- **Orbital:** 20 in / 500 mm
- **Dual disk:** 24 in / 600 mm
- **Dual Cylindrical:** 20 in / 500 mm

**EXCLUSIVE TECHNOLOGY**
(optional cleaning innovation)

**ec-H2O NanoClean™ technology**

electrically converted water is created by an on-board e-cell that generates millions of very tiny microscopic bubbles known as nanobubbles that promote the cleaning efficacy of the solution.

This next generation solution offers the same great benefits of the first generation and now cleans better and cleans more soils in more applications. The name NanoClean, refers to the generation of nano-scale bubbles that are an important part of the cleaning mechanism.

Optional Pro-Panel™ integrates an LCD touchscreen with easy to understand graphics and video tutorials.

The T300 along with the 3M™ Stone Floor Protection System provides a complete floor care process that restores the natural beauty of your porous stone and produces a remarkable, long-lasting shine.

![Image of T300 and 3M Stone Floor Protection System](image)
# T300 Walk-Behind Floor Scrubber

<table>
<thead>
<tr>
<th>Control panel</th>
<th>Single Disk</th>
<th>Single Disk</th>
<th>Dual Disk</th>
<th>Cylindrical</th>
<th>Orbital</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pro-Panel®</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>Productivity (per hour)</td>
<td>17,000 ft²/1,579 m²</td>
<td>20,000 ft²/1,858 m²</td>
<td>24,000 ft²/2,230 m²</td>
<td>20,000 ft²/1,858 m²</td>
<td>20,000 ft²/1,858 m²</td>
</tr>
<tr>
<td>Theoretical Max</td>
<td>11,288 ft²/1,041 m²</td>
<td>14,943 ft²/1,388 m²</td>
<td>18,264 ft²/1,697 m²</td>
<td>14,943 ft²/1,388 m²</td>
<td>14,943 ft²/1,388 m²</td>
</tr>
<tr>
<td>Estimated Coverage*</td>
<td>9,340 ft²/868 m²</td>
<td>12,453 ft²/1,157 m²</td>
<td>15,828 ft²/1,457 m²</td>
<td>14,943 ft²/1,388 m²</td>
<td>14,943 ft²/1,388 m²</td>
</tr>
<tr>
<td>ec-H2O NanoClean®</td>
<td>9,668 ft²/898 m²</td>
<td>12,891 ft²/1,198 m²</td>
<td>15,469 ft²/1,437 m²</td>
<td>15,469 ft²/1,437 m²</td>
<td>15,469 ft²/1,437 m²</td>
</tr>
</tbody>
</table>

## Brush Drive System
- **Scrub motor**: 24 VDC, 1 hp/0.75 kW
- **Brush/pad RPM**: 230 rpm
- **Brush/pad pressure**: 47, 71, 66 lbs/21, 32, 39 kg

## Solution/Recovery System
- **Solution tank capacity**: 11 gal/42 L
- **Recovery tank capacity**: 14 gal/53 L
- **Vacuum motor**: 24 VDC, 0.6 hp/0.47 kW
- **Vacuum waterlift**: 42 in/1067 mm
- **Vacuum waterlift with Quiet-Mode**: 28 in/711 mm

## Cleaning Technology
- **Conventional**
- **ec-H2O NanoClean®**
- **Severe Environment** (with ec-H2O NanoClean®)

## Battery System
- **System voltage**: 24 volt
- **Battery types** (Wet 105AH, Wet 130AH, Wet 155AH, Sealed ACM 140AH)
- **Battery run time (up to hours)**: 3.4
- **On-board charger**: Standard
- **Off-board charger**: Optional

## Machine Specifications
- **Length**: 51.25 in/1,302 mm
- **Width**: 20 in/500 mm
- **Height**: 43.10 in/1,095 mm
- **Weight (without batteries)**: 220 lbs/98 kg
- **Weight (with batteries)**: 366 lbs/166 kg
- **Sound level (operator's ear)**: 64.9 dBA
- **Quiet-Mode (operator's ear)**: 57.8 dBA

## Warranty
- See your local representative for warranty information
- *Estimated coverage rates use the practical speed and empty/full time standards from the 2004ISSA Cleaning Times handbook.
- **Run times are based on continuous scrubbing run times.
- ***Sound levels per ISO 11201 as recommended by the American Association of Cleaning Equipment manufacturers & OSHA.

See your local representative for warranty information.

---

**SEEING IS BELIEVING**

*For a demonstration or additional information, call +1.800.553.8033 or email info@tennantco.com*
5680
WALK-BEHIND FLOOR SCRUBBER

- Just-scrubbed floors are clean, dry and safe for traffic in seconds with ec-H2O NanoClean™ and FaST® technologies
- Highly consistent cleaning performance from field-proven results
- Reduced operator training time and increased machine uptime from easy-to-use Quick-Train™ controls
THE CLEANING PROFESSIONAL'S CHOICE
FOR CONSISTENT, WORRY-FREE SCRUBBING

With a heritage of outstanding design and engineering, the 5680 delivers the consistent performance, reliable operation, and quality assurance cleaning professionals need along with the success they desire.

LONG-LASTING, WORRY-FREE OPERATION
A corrosion-resistant scrub deck, impact-absorbing linkages, and exclusive 10/3/3 warranty all mean the 5680 is up and cleaning day after day.

MAXIMUM LABOR EFFICIENCY
Easy-to-use Quick-Train™ control panel reduces training time, making operators more productive and, with so little water used with ec-H2O NanoClean™ and FaST® technologies, operators scrub up to three times longer between empty/fill stops.

RELIABLY CONSISTENT PERFORMANCE
With the automatic solution metering system of ec-H2O NanoClean and FaST technologies, the 5680 requires minimum operator interaction to deliver consistent, quality cleaning.

THE SAFE WAY TO CLEAN
Increase safety and cleanliness with ec-H2O NanoClean technology or FaST Foam Scrubbing Technology. The 5680 uses up to 70% less water with both technologies. ec-H2O NanoClean technology uses no detergent. FaST Foam Scrubbing Technology uses up to 90% less detergent than traditional scrubbers.
A **Clean hard-to-reach areas** under toekicks and against baseboards with low profile corrosion-resistant scrub deck.

B **Reduce environmental impact** with ec-H2O NanoClean or FaST technologies.

C **Reduce maintenance costs** with durable composite frame, aluminum scrub deck and rust-proof polyethylene body and tanks.

D **Scrub longer** between empty/fill cycles with large-capacity solution and recovery tanks (30 gal/114 L) and up to 3.5 hours of continuous run time. Add ec-H2O NanoClean or FaST technologies to further enhance productivity.

E **Operate in comfort** with height-adjustable console that puts Quick-Train™ controls within easy reach.

F **Save time** with squeegee blades that require no tools to change.

G **Scrub and pick up small debris** in one pass with optional cylindrical scrub heads.

**EXCLUSIVE TECHNOLOGIES**

(optional cleaning innovations)

Both technologies increase scrub time up to three times using a single tank of water.

ec-H2O NanoClean™ technology electrically converted water is created by an on-board e-cell that generates millions of very tiny microscopic bubbles known as nanobubbles that promote the cleaning efficacy of the solution.

This next generation solution offers the same great benefits of the first generation and now cleans better and cleans more soils in more applications. The name NanoClean, refers to the generation of nano-scale bubbles that are an important part of the cleaning mechanism.

FaST Foam Scrubbing Technology uses up to 70% less water and 90% less chemicals to improve floor traction as certified by NSF® helping reduce the risk of slip and fall accidents.
5680 WALK-BEHIND FLOOR SCRUBBER

SCOURING SYSTEM

<table>
<thead>
<tr>
<th>28 IN / 700 MM</th>
<th>32 IN / 800 MM</th>
<th>36 IN / 900 MM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Productivity per hour</td>
<td>33,320 ft³ / 3,095 m³</td>
<td>38,080 ft³ / 3,540 m³</td>
</tr>
<tr>
<td>Theoretical Max</td>
<td>20,800 ft³ / 1,930 m³</td>
<td>24,000 ft³ / 2,230 m³</td>
</tr>
<tr>
<td>Estimated Coverage*</td>
<td>23,400 ft³ / 2,175 m³</td>
<td>27,000 ft³ / 2,510 m³</td>
</tr>
<tr>
<td>Conventional ec-H2O NanoClean/FaST</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

BRUSH DRIVE SYSTEM

Brush motor (2) 0.75 hp motors
Brush/pad speed 200 rpm
Disc
Cylindrical
Brush/pad pressure 750 rpm
Disc
Cylindrical
100 lbs & 200 lbs
85 lbs

SOLUTION DELIVERY SYSTEM

Solution tank capacity 30 gal / 114 L
Solution flow rate
Conventional
FaST
ec-H2O NanoClean 0.22 gpm / 0.83 lpm 0.22 gpm / 0.8 lpm 0.33 gpm / 1.25 lpm 0.44 gpm / 1.66 lpm

RECOVERY SYSTEM

Recovery tank capacity 40 gal / 151 L
Vacuum motor 0.8 hp – three stage
Vac motor cfm 65 cfm / 1.84 cfm
Vac motor sealed waterlift 73 in / 1,854 mm

POWER SYSTEM

System voltage 36 volt
Battery amp hour rating (Standard) 240 Ah @ 20 hr
Battery amp hour rating (Optional) 360 Ah @ 20 hr
Battery run time (continuous cleaning rating) 3.5 hours (240 Ah) / 4.5 hours (360 Ah)

MACHINE SPECIFICATIONS

Product length
Disc 64 in / 1,625 mm
Cylindrical 63 in / 1,600 mm
Product width
Without squeegee 30 in / 762 mm
With squeegee 35.7 in / 905 mm
Product height 42 in / 1,070 mm
Product weight (with batteries) 805 lbs / 365 kg
Sound level*** (operator’s ear) 75 dBA

WARRANTY

See your local representative for warranty information

*Scrubbing speeds, empty/time/refill times were taken from the ISSA 447 Cleaning Times Handbook published in 2004. Assumes 2-tech / 5 cm overlap. Conventional flow rates are at 0.5 gpm / 1.9 lpm.

Specifications subject to change without notice.

Choose GE Capital or U.S. Bancorp, our leasing providers, for simple, quick financing with flexible upgrade options.
E5
COMPACT, LOW-PROFILE CARPET EXTRACTOR

- Carpet cleaning results with excellent deep cleaning technology
- Improve productivity and cleaning results in congested and hard-to-reach areas with low-profile, compact design
- Reduce operator fatigue and improve productivity with low-effort pull-back operation and Insta-Adjust™ ergonomic handle
EXCEPTIONALLY POWERFUL DEEP CLEANING PERFORMANCE IN CONGESTED AREAS

OUTSTANDING CLEANING PERFORMANCE
Maximize cleaning performance across the entire cleaning path with dual overlapping spray jets and exceptional vacuum suction. Unique double-tuft float-adjust brush design adjusts to different carpet pile depths – no manual adjustment needed.

DEEP CLEAN AROUND AND UNDER OBSTACLES
Easily clean around and under objects like beds, desks, and tables with the compact, low-profile design. The Insta-Adjust™ handle extends cleaning reach.

EASY TO USE AND MAINTAIN
Easy to fill, empty, and clean Hygenic® tanks offer a unique compact design. Ergonomic handles and grips ensure easy pick-up.

SEEING IS BELIEVING
For a demonstration or additional information,
call +1.800.553.8033 or email info@tennantco.com
B5/B7

BATTERY POWERED WALK-BEHIND BURNISHER

- Ultra quiet machines – as low as 63 dBA – ensures safe sound levels
- Active filtration with HEPA standard – maintains indoor air quality
- 90 degree flip up head – enables a safe ergonomic position when changing pad
## B5/B7 BURNISHER

<table>
<thead>
<tr>
<th></th>
<th>B5 20 in / 510 mm</th>
<th>B5 20 in / 510 mm</th>
<th>B7 .24 in / 610 mm</th>
<th>B7 .27 in / 690 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Path width</strong></td>
<td>20 in / 510 mm</td>
<td>20 in / 510 mm</td>
<td>27 in / 690 mm</td>
<td>27 in / 690 mm</td>
</tr>
<tr>
<td><strong>Productivity rate (max)</strong></td>
<td>16,260 ft²/hr / 1,510 m²/hr</td>
<td>20,000 ft²/hr / 2,200 m²/hr</td>
<td>24,000 ft²/hr / 2,200 m²/hr</td>
<td>27,000 ft²/hr / 2,500 m²/hr</td>
</tr>
<tr>
<td><strong>Productivity rate (practical)</strong></td>
<td>13,500 ft²/hr / 1,260 m²/hr</td>
<td>18,000 ft²/hr / 1,670 m²/hr</td>
<td>22,000 ft²/hr / 2,000 m²/hr</td>
<td>25,000 ft²/hr / 2,300 m²/hr</td>
</tr>
<tr>
<td><strong>Pad Drive System</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pad motor</td>
<td>36 V, 75 A, 2.8 hp max / 2.1 kW</td>
<td></td>
<td>36 V, 90 A, 3.6 hp max / 2.6 kW</td>
<td></td>
</tr>
<tr>
<td>Pad speed</td>
<td>2100 rpm</td>
<td></td>
<td>1875 rpm</td>
<td></td>
</tr>
<tr>
<td><strong>Burnishing speed (variable)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Min</td>
<td>Pad assist 100 fpm / 30 mpm</td>
<td>Pad assist 100 fpm / 30 mpm</td>
<td>Pad assist 100 fpm / 30 mpm</td>
<td>Pad assist 100 fpm / 30 mpm</td>
</tr>
<tr>
<td>Max</td>
<td>Pad assist 200 fpm / 60 mpm</td>
<td>Pad assist 200 fpm / 60 mpm</td>
<td>Pad assist 200 fpm / 60 mpm</td>
<td>Pad assist 200 fpm / 60 mpm</td>
</tr>
<tr>
<td>Transport speed (max)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>240 fpm / 73 mpm</td>
<td></td>
<td>240 fpm / 73 mpm</td>
<td></td>
</tr>
<tr>
<td><strong>Power System</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage</td>
<td>36 VDC</td>
<td></td>
<td>36 VDC</td>
<td></td>
</tr>
<tr>
<td>Battery</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wet/lead acid (standard)</td>
<td>3 - 12V, 185 Ah</td>
<td>6 - 6V, 240 Ah</td>
<td>6 - 6V, 330 Ah</td>
<td></td>
</tr>
<tr>
<td>AGM (optional)</td>
<td>3 - 12V, 234 Ah</td>
<td>6 - 6V, 312 Ah</td>
<td>6 - 6V, 360 Ah</td>
<td></td>
</tr>
<tr>
<td>Wet/lead acid (optional)</td>
<td>3 - 12V, 225 Ah</td>
<td>240 Ah battery up to 2.0 hrs</td>
<td>240 Ah battery up to 2.0 hrs</td>
<td></td>
</tr>
<tr>
<td>Battery run time*</td>
<td>185 Ah battery up to 2.0 hrs</td>
<td>225 Ah battery up to 2.5 hrs</td>
<td>234 Ah AGM battery up to 3.0 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>On-board charger</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dust Control System</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HEPA filtration</td>
<td>99.97% @ 0.3 microns</td>
<td></td>
<td>99.97% @ 0.3 microns</td>
<td></td>
</tr>
<tr>
<td>Passive filtration (optional)</td>
<td>95% @ 0.3 microns</td>
<td></td>
<td>95% @ 0.3 microns</td>
<td></td>
</tr>
<tr>
<td><strong>Machinery Specifications</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>59 in / 1,499 mm</td>
<td></td>
<td>61.5 in / 1,562 mm</td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>24.5 in / 622 mm</td>
<td></td>
<td>30 in / 762 mm</td>
<td></td>
</tr>
<tr>
<td>Height</td>
<td>43 in / 1,092 mm</td>
<td></td>
<td>43 in / 1,092 mm</td>
<td></td>
</tr>
<tr>
<td>Weight (with batteries)</td>
<td>507 lbs / 230 kg</td>
<td>572 lbs / 259 kg</td>
<td>616 lb / 279 kg</td>
<td>797 lb / 362 kg</td>
</tr>
<tr>
<td><strong>Sound level (operator's ear)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Active</td>
<td>64 dBA</td>
<td></td>
<td>63 dBA</td>
<td></td>
</tr>
<tr>
<td>Passive</td>
<td>65 dBA</td>
<td></td>
<td>65 dBA</td>
<td></td>
</tr>
<tr>
<td><strong>Approvals</strong></td>
<td></td>
<td></td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
<td></td>
<td></td>
<td>YES</td>
<td></td>
</tr>
</tbody>
</table>

*Runtime will vary depending upon battery size and feature set. These factors can include functions such as push vs. self-propel, passive vs. active dust control, low vs. high down pressure and pad selection.

Specifications subject to change without notice.

Choose GE Capital or U.S. Bancorp, our leasing providers, for simple, quick financing with flexible upgrade options.
Get superior gloss performance with our high speed dust control burnisher.

Use this burnisher once and you’ll know what everyone’s talking about. The flexible dust skirt provides excellent dust control. In fact, there's no need to dust mop after using.

Easy to use
Reduce training time with easy-to-use controls such as the Insta-Adjust™ handle, which allows operator’s to adjust instantly while burnishing. Transporting and storage of the unit is convenient with the Insta-Adjust™ handle, which folds forward when not in use.

Rugged and quiet
Durable polyethylene construction, low vibration and 66 dBA sound level ensures a high quality burnisher.

Key Benefits

- Consistent results on uneven floors with the patented free-floating head
- Excellent gloss results with powerful 2,000 rpm “on the floor” pad rotation
- Variable pad pressure from 15-45 lb / 7-20 kg for ultimate finish performance
<table>
<thead>
<tr>
<th>Features</th>
<th>Specifications*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Name</strong></td>
<td>BR-2000-DC</td>
</tr>
<tr>
<td><strong>Pad Drive System</strong></td>
<td></td>
</tr>
<tr>
<td>Pad speed burnishing</td>
<td>2000 rpm @ full load (15 amps)</td>
</tr>
<tr>
<td>Motor volts</td>
<td>120 V</td>
</tr>
<tr>
<td>Motor HP</td>
<td>1.5 hp / 1.12 kW</td>
</tr>
<tr>
<td>Motor type</td>
<td>Direct drive, permanent magnet DC, circuit breaker protected</td>
</tr>
<tr>
<td>Pad diameter</td>
<td>20 in / 510 mm</td>
</tr>
<tr>
<td>Motor amps</td>
<td>15 A</td>
</tr>
<tr>
<td>Pad drive description</td>
<td>Flexible disk with centering lock, free floating, accommodates uneven floors</td>
</tr>
<tr>
<td>Pad pressure</td>
<td>Adjustable 15-45 lb / 7-20 kg</td>
</tr>
<tr>
<td><strong>Debris Recovery System</strong></td>
<td>Built-in dust collection system with flexible dust skirt</td>
</tr>
<tr>
<td>Dust control system</td>
<td></td>
</tr>
<tr>
<td>Filter description</td>
<td>Cloth filter bag (standard), filters w/ 99.9% efficiency at 0.3 micron</td>
</tr>
<tr>
<td><strong>Productivity</strong></td>
<td></td>
</tr>
<tr>
<td>Max. coverage (per hour)</td>
<td>10000 ft² / 929 m²</td>
</tr>
<tr>
<td><strong>Dimensions/Weight/Sound level</strong></td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>31.5 in / 800 mm</td>
</tr>
<tr>
<td>Width</td>
<td>22.5 in / 570 mm</td>
</tr>
<tr>
<td>Height</td>
<td>47 in / 1190 mm</td>
</tr>
<tr>
<td>Net weight</td>
<td>92 lb / 42 kg</td>
</tr>
<tr>
<td>Sound level (operator’s ears)</td>
<td>66 dBA</td>
</tr>
<tr>
<td><strong>Power Cord</strong></td>
<td></td>
</tr>
<tr>
<td>Power cord length</td>
<td>75 ft / 23 m</td>
</tr>
<tr>
<td>Power cord type</td>
<td>14 gauge, 3-wire, ST-Safety yellow cord</td>
</tr>
<tr>
<td><strong>Approvals</strong></td>
<td>CSA, ETL</td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
<td>See your sales representative or authorized distributor for complete warranty details.</td>
</tr>
</tbody>
</table>

*Specifications subject to change without notice.*
Model: TP-2015
UPC: 099053044697
Part No. 00-4469-3

- Triple planetary all steel gears
- 175 RPM brush speed
- 1.5 HP heavy duty motor
- 20 Inch pad size

Details

SPECIFICATIONS

- Brush speed: 175 RPM
- Pad size: 20"
- Motor: Precision balanced 1.5 H.P
- Power Cord: 50 ft. 3 wire grounded 14 gauge
- Handle: Durable chromed 13 gauge steel 1 ½" diameter
- Wheels: 5" non-marking
- Shipping weight: 125 lb.
- Net weight: 106 lb.
- Shroud: Reinforced epoxy powder coated steel
- Chassis: Cast iron
Reach a higher standard of cleaning with a self-contained carpet extractor.

**Ideal for smaller areas**
Efficiently clean smaller areas with fewer empties/fills thanks to the 7 gal / 26 L solution and recovery tank capacity.

**Efficient, effective design**
Adjustable brush pressure ensures a customized clean. Multiple spray jets evenly disperse solution and easily twist off for rinsing.

**Flexibility**
Optional accessories include a hand tool, upholstery tool, floor tools, vacuum hose and solutions hose extension.

---

**Key Benefits**

- Unique body design allows cleaning under desks and counters
- Durable body construction delivers years of performance
- Moves easily and smoothly with its lightweight construction
# Self-Contained Extractor
## EX-SC-716

<table>
<thead>
<tr>
<th>Features</th>
<th>Specifications*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Name</strong></td>
<td>EX-SC-716</td>
</tr>
<tr>
<td><strong>Vacuum System</strong></td>
<td></td>
</tr>
<tr>
<td>Vacuum motor HP</td>
<td>1.66 hp / 1.2 kW</td>
</tr>
<tr>
<td>Vacuum motor stages</td>
<td>3 stage</td>
</tr>
<tr>
<td>Water lift at sealed orifice</td>
<td>117 in / 2971.8 mm</td>
</tr>
<tr>
<td>Airflow through 2 in / 50 mm orifice</td>
<td>99 cfm / 2.80 m³</td>
</tr>
<tr>
<td>Vacuum shoe size</td>
<td>16 in / 406 mm</td>
</tr>
<tr>
<td><strong>Recovery System</strong></td>
<td></td>
</tr>
<tr>
<td>Recovery tank capacity</td>
<td>7 gal / 26.5 L</td>
</tr>
<tr>
<td>Recovery tank description</td>
<td>Integrated tank</td>
</tr>
<tr>
<td><strong>Brush Drive System</strong></td>
<td></td>
</tr>
<tr>
<td>Brush motor amp</td>
<td>1 A</td>
</tr>
<tr>
<td>Brush RPM</td>
<td>1200</td>
</tr>
<tr>
<td>Brush motor RPM</td>
<td>1800</td>
</tr>
<tr>
<td>Brush width</td>
<td>13.5 in / 343 mm</td>
</tr>
<tr>
<td>Brush bristle type</td>
<td>Nylon construction, four rows of spiraled bristles</td>
</tr>
<tr>
<td>Brush diameter</td>
<td>3.375 in / 88 mm</td>
</tr>
<tr>
<td><strong>Solution System</strong></td>
<td></td>
</tr>
<tr>
<td>Solution pump amps</td>
<td>1 A</td>
</tr>
<tr>
<td>Solution pump pressure</td>
<td>100 psi / 6.9 Bar</td>
</tr>
<tr>
<td>Solution pump voltage</td>
<td>120 V</td>
</tr>
<tr>
<td>Solution capacity</td>
<td>7 gal / 26.5 L</td>
</tr>
<tr>
<td>Solution flow</td>
<td>1 gpm / 3.78 L / min</td>
</tr>
<tr>
<td>Solenoid valve</td>
<td>Electronic</td>
</tr>
<tr>
<td>Spray jets</td>
<td>4 - quick disconnect</td>
</tr>
<tr>
<td><strong>Total Power Consumption</strong></td>
<td>12.7 A</td>
</tr>
<tr>
<td><strong>Power Cord</strong></td>
<td></td>
</tr>
<tr>
<td>Power cord length</td>
<td>50 ft / 15.24 m</td>
</tr>
<tr>
<td>Power cord type</td>
<td>16 gauge</td>
</tr>
<tr>
<td><strong>Optional Accessories</strong></td>
<td>Wands, hand tools, solution and recovery hoses, etc. Contact your sales rep for more information.</td>
</tr>
<tr>
<td><strong>Dimensions/Weight/Sound Level</strong></td>
<td>L: 39 in / 990.6 mm, W: 16 in / 406.4 mm, H: 34 in / 863.6 mm, Wt: 86 lb / 39.01 kg, 77 dBA</td>
</tr>
<tr>
<td><strong>Approvals</strong></td>
<td>ETL, US/C</td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
<td>See your sales representative or authorized distributor for complete warranty details.</td>
</tr>
</tbody>
</table>

*Specifications subject to change without notice
The Taskforce® Series of Vacuums

A complete range of wet-dry vacuums, tackling any cleaning challenge

Designed to work in any environment

Tornado's Taskforce® series of Wet/Dry Vacuums are some of the toughest, most versatile, and cost-effective tank vacuums on the market. Available in your choice of either a polyethylene or stainless steel body and in sizes ranging from ten, fifteen, seventeen and twenty gallon capacities, these vacuums offer a 1.61 HP vac motor and generate 114 cfm and 90" of waterlift. The Taskforce® series effectively handles general dry debris pick up in commercial environments, as well as liquids such as water, scrubbing solutions, and stripping solutions. These vacuums are perfect not only for general maintenance and cleaning, but also to manage soil and moisture in high-traffic areas or can be paired with floor machines and other mopping and scrubbing operations as well.

Tools to fit your needs

The Taskforce series comes complete with an attachment and accessory set, including hose, wand, carpet tool, squeegee tool, crevice tool, and dusting tool. The swivel hose connector allows 360-degree hose rotation, letting you move the vacuum without fear of disconnects. The tools and accessories can be used for a variety of applications and debris types.

When a little more is needed

Tornado® knows that sometimes you need a little more from your vacuum. That's why the Taskforce 20 Trot-Mop™ offers a 20 gallon, stainless steel tank, integrated front mount squeegee and a tip and pour waste and water disposal method. The Taskforce 20 has the same versatility and reliability of the other Taskforce units, but gives you those extra features you have come to expect from Tornado®.

Power and Durability

You can count on Tornado's wet-dry vacuums to get the job done, whether being used for construction site clean-up, around the shop, or for emergency wet pickup around busy entryways. Tornado has been proudly producing world-class vacuums since 1927, and as always, our wet-dry vacuums stand for quality and superior durability.
Taskforce® Series of Vacuums. A complete range of wet-dry vacuums, tackling any cleaning task.

Key Features
- Optional front mount squeegee on Taskforce 15 and 17
- Powerful 1.61 hp motor
- Sound insulated vacuum head
- 114 cfm and 90° waterlift
- Two stage dust-free filtration process
- 360-degree hose rotation
- 14" rug, crevice, dust, and squeegee tool
- Built in wheels on the polyethylene models and mounted on trolley for stainless steel units

Versatility
The Tornado Taskforce® Series of wet/dry vacuums provide easy operation, versatility, innovative features, and durable design for use in many different environments including:
- Hospitals and Healthcare Facilities
- Schools and Universities
- Hotels and Resorts
- Restaurants
- Commercial Office Buildings
- Retail Stores and Shopping Malls
- Automotive and Commercial Fleet Cleaning

Convenient
Stainless steel models have a convenient tip and pour feature so you can dispose of waste water easily.

Washable filter
The filter is easily removed from the float cage for washing and re-use.

Packaged Complete
Standard attachments include a crush-resistant hose, two-piece wand, hard floor tool, squeegee attachment, dust brush and crevice tool

<table>
<thead>
<tr>
<th>PRODUCT SPECIFICATIONS</th>
<th>Taskforce 10</th>
<th>Taskforce 15</th>
<th>Taskforce 17</th>
<th>Taskforce 20 Trot-Mop</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODEL</td>
<td>94234</td>
<td>94232</td>
<td>94230</td>
<td>94236</td>
</tr>
<tr>
<td>MACHINE DIMENSIONS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L X W X H</td>
<td>19 in x 16 in x 28 in</td>
<td>18 in x 21 in x 37 in</td>
<td>18 in x 18 in x 36 in</td>
<td>22 in x 24 in x 38 in**</td>
</tr>
<tr>
<td></td>
<td>48 cm x 41 cm x 71 cm</td>
<td>51 cm x 53 cm x 94 cm</td>
<td>51 cm x 59 cm x 91 cm</td>
<td>56 cm x 61 cm x 97 cm**</td>
</tr>
<tr>
<td>NET WEIGHT</td>
<td>29 lbs / 13 kg</td>
<td>22 lbs / 24 kg</td>
<td>36 lbs / 16 kg</td>
<td>63 lbs / 29 kg</td>
</tr>
<tr>
<td>TANK SIZE</td>
<td>10 gal / 38 liters</td>
<td>15 gal / 57 liters</td>
<td>17 gal / 64 liters</td>
<td>20 gal / 76 liters</td>
</tr>
<tr>
<td>WET WORKING CAPACITY</td>
<td>5 gal / 19 liters</td>
<td>10 gal / 38 liters</td>
<td>13 gal / 49 liters</td>
<td>15 gal / 57 liters</td>
</tr>
<tr>
<td>HOSE LENGTH</td>
<td>30 ft / 9 m</td>
<td>30 ft / 9 m</td>
<td>30 ft / 9 m</td>
<td>30 ft / 9 m</td>
</tr>
<tr>
<td>DESIGN CHARACTERISTICS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BODY CONSTRUCTION</td>
<td>Polyethylene</td>
<td>18 Gauge Stainless Steel</td>
<td>Polyethylene</td>
<td>18 Gauge Stainless Steel</td>
</tr>
<tr>
<td>HOSE</td>
<td>1.5&quot; x 10&quot; Hose with swivel connector/cuff lock</td>
<td>1.5&quot; x 10&quot; Hose with swivel connector/cuff lock</td>
<td>1.5&quot; x 10&quot; Hose with swivel connector/cuff lock</td>
<td>1.5&quot; x 10&quot; Hose with swivel connector/cuff lock</td>
</tr>
<tr>
<td>WHEEL DIMENSION</td>
<td>4&quot; non-scruff soft rear / 4&quot; swivel casters</td>
<td>4&quot; non-scruff soft rear / 4&quot; swivel casters</td>
<td>4&quot; non-scruff soft rear / 4&quot; swivel casters</td>
<td>6.5&quot; non-scruff rear</td>
</tr>
<tr>
<td>DUMP SYSTEM</td>
<td>Lift-and-Pour tank</td>
<td>Lift-and-Pour tank</td>
<td>Lift-and-Pour tank</td>
<td>Lift-and-Pour tank</td>
</tr>
</tbody>
</table>

CLEANING SYSTEM
- CPU 114
- WATER LIFT 90*
- FILTRATION Cloth filter for dry recovery
- MOTOR TYPE One-2 stage motor
- MOTOR POWER 120 V / 1200 watts
- MOTOR HP 1.6 hp
- MOTOR WARRANTY 1 year*
- PARTS 1 year*

REPLACEMENT ITEMS AND ACCESSORIES
- PAPER FILTER W046
- EXTENSION WAND W020
- BRUSH NOZZLE ASSEMBLY W012
- CREEV CLE TOOL W032
- FRONT MOUNT SQUEEGEE FM100

See full warranty for details on replacements.

Dimensions with handle and Trot-Mop: 36 in x 26 in x 38 in / 91 cm x 66 cm x 97 cm

©2012 Tornado Industries. All rights reserved.
Form# T4013 - Rev. 9.12. Printed in USA
KaiVac® 1200 Series

The KaiVac 1200 series includes two No-Touch Cleaning® systems, the KaiVac® 1250 and the KaiVac® 1215. Although the smallest No-Touch Cleaning systems yet, they deliver the same industrial strength capabilities as our other systems. The lightweight and upright design of these versatile systems makes them extremely easy to maneuver, move up or down stairs or load into a vehicle. In fact, their compact footprint enables them to set on many standard janitors' carts, including those from Rubbermaid® and Continental®. They're perfect for smaller jobs or facilities, like elementary schools, nursing homes, daycare centers, c-stores, restaurants, residential and more.

Complete Cleaning for Healthy Results

Like all No-Touch Cleaning systems, the KaiVac 1200 series is specifically designed to thoroughly capture and remove soil, bacteria and other harmful indoor pollutants. Each system combines automatic chemical metering and injection, an indoor pressure washer, and a powerful wet vacuum into a single integrated deep cleaning system. As a result, they're scientifically proven to be 60 times more effective in reducing bacterial contamination than mops; which are more likely to spread contaminants than recover them. In fact, they clean so well that they even beat the industry standards for food preparation areas. Besides cleaning better, they also cut labor and chemical costs while inspiring worker pride.

Multipurpose Attachments for Total Building Cleaning

Like all No-Touch Cleaning systems, the versatile 1200 systems accommodate an array of add-on components that instantly transform them into true multipurpose machines.

Highlights

- Choice of 500 psi or 150 psi pump
- Removable “black box” engine compartment for rapid repair and exchange
- Extremely light and maneuverable
- HEPA filtered vacuum and blower
- Perfect for climbing stairs or loading into vehicles
- Fits on a janitor’s cart
- Supports wide range of multipurpose adapters
- Environmentally friendly design and methods
- Part of a complete system including a full line of Green Seal certified cleaning chemicals

Contact us today for a free on-site demonstration and see the benefits of No-Touch Cleaning for yourself.
# 10. SUPPLIES

## CHEMICALS

<table>
<thead>
<tr>
<th>Enviro Solutions Product</th>
<th>Purpose</th>
<th>Description</th>
<th>Label</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orbio MultiSurface</td>
<td>All-purpose cleaner</td>
<td>Cleaner formulated for tough soils and tracked-in grime. Excellent for floors, walls, woodworking and plastic furniture.</td>
<td><img src="image" alt="MultiSurface" /></td>
<td><img src="image" alt="NSF" /> <img src="image" alt="NFC" /> <img src="image" alt="TURI" /></td>
</tr>
<tr>
<td></td>
<td>Glass cleaner</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stainless steel cleaners</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>General-purpose and neutral pH daily cleaners for hard floors</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Carpet Cleaner</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Alkaline floor cleaners and degreasers designed for organic greases and oils</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orbio MultiMicro 200</td>
<td>Disinfectant</td>
<td>One-step cleaner-disinfectant (broadspectrum and hospital-grade), a food contact surface sanitizer, and a non-food contact surface sanitizer. The solution is effective against a wide variety of microorganisms, including bacteria, antibiotic-resistant bacteria, viruses, and fungi.</td>
<td><img src="image" alt="MultiMicro 200" /></td>
<td><img src="image" alt="NSF" /> <img src="image" alt="NFC" /> <img src="image" alt="TURI" /></td>
</tr>
<tr>
<td>ES 53</td>
<td>Cream Cleanser</td>
<td>A smooth clinging cleanser that removes soap scum, body fats, grease, and hard water salts from tubs, tiles and toilet bowls. Cleans without harsh abrasives. Contains Enzymeocid natural pine fragrance.</td>
<td><img src="image" alt="ES 53" /></td>
<td><img src="image" alt="NSF" /></td>
</tr>
<tr>
<td>Melt 61</td>
<td>Non-Acid Bowl Cleaner</td>
<td>Use Melt Acid Free as an essential part of your daily restroom maintenance program. It combines germ killing capability with odor controlling ingredients to disinfect and deodorize in one step. This ready-to-use formula requires no premixing making it convenient, safe and effective. Use on toilet bowls, urns, sinks, rims, fixtures, tubs, glazed tiles, glazed ceramic, chrome, and stainless steel.</td>
<td><img src="image" alt="Melt 61" /></td>
<td><img src="image" alt="NSF" /></td>
</tr>
<tr>
<td>WOW 67</td>
<td>Graffiti Removal</td>
<td>Stainless Steel Cleaner is perfect for cleaning and protecting stainless steel. This completely safe formula was created for cleaning institutional stainless steel.</td>
<td><img src="image" alt="WOW" /></td>
<td><img src="image" alt="NSF" /></td>
</tr>
<tr>
<td>Spitfire</td>
<td>Degreaser</td>
<td>This solution works on the toughest dirt, grime, and stains that can be found on a wide variety of surfaces. Lightly scented and pleasant to use, this no-rinse formula is red in color and boasts a fresh pine scent that will not leave residue behind.</td>
<td><img src="image" alt="Spitfire" /></td>
<td><img src="image" alt="NSF" /></td>
</tr>
</tbody>
</table>
GSF AND ORBIO® HELP SCHOOL DISTRICT IMPROVE SAFETY AND SUSTAINABILITY

ABOUT THE CUSTOMER
Addison School District 4 is an elementary school district located in DuPage County, 18 miles west of downtown Chicago. The district's eight schools educate 4,300 students from early childhood through 8th grade.

CHALLENGE
Keeping schools clean and safe for students and staff is a constant challenge. GSF USA General Manager Kurt Kuempel knows the importance of safety and the impact a clean building has on students and teachers when they arrive at school.

Kuempel also knows and trusts Tennant products, so when he heard about the Orbio® os3 On-site Generation (OSG) system, he wanted to try it. Ultimately he hoped to show Addison School District officials how the Orbio system can improve safety for students, staff and custodians.

“Schools care about safety and a clean appearance,” said Kuempel. “Our tagline is ‘We care about clean’ so we try to partner with customers who feel the same way we do, and schools are a great fit for us.”

“ORBIO IS A GREAT EXAMPLE OF HOW WE CAN EMBRACE NEW TECHNOLOGIES TO IMPROVE ENVIRONMENTS FOR OUR EMPLOYEES AND CLIENTS. TO EFFECTIVELY CLEAN SCHOOLS WITHOUT USING TRADITIONAL PACKAGED CHEMICALS – PARTICULARLY FOR CHILDREN WITH ALLERGIES – IT IS ABSOLUTELY THE RIGHT SOLUTION.”

Troy Bargmann
President
GSF USA
CASE STUDY

SOLUTION
The os3 system provides on-site generation (OSG) of cleaning and disinfecting/sanitizing solutions that can replace multiple conventional packaged chemicals.

MultiSurface Cleaner is used in spray bottles, mop buckets, automatic scrubbers, carpet extractors and interim carpet cleaning equipment. It replaces floor cleaners, glass and all-purpose cleaners, stainless steel cleaners and carpet cleaners. MultiMicro™ 200* disinfecting/sanitizing solution replaces one-step cleaner-disinfectants, and food-contact and non food-contact surface sanitizers in spray bottles, mop buckets and flat microfiber mop systems.

Working in two shifts, Kuempel's 27-member crew cleans 500,000 square feet of classrooms, hallways and bathrooms five days a week. The floor surfaces they clean include VCT tile and carpet, and common soils include salt, water, dirt, and food debris in the lunchrooms.

"Orbio is a great example of how we can embrace new technologies to improve environments for our employees and clients," said GSF USA President Troy Bargmann. "To effectively clean schools without using traditional packaged chemicals — particularly for children with allergies — it is absolutely the right solution."

RESULTS
After using Tennant floor scrubbers for years, Kuempel knows and trusts Tennant products. He figured if anyone did on-site generation the right way, it would be Tennant, and Addison Schools seemed like the perfect place to implement it.

Kuempel uses an Orbio os3 generator in the largest school, and a satellite system in the other seven schools. The generator provides enough MultiSurface Cleaner and MultiMicro™ 200 for crews to fill and move two 2.5-gallon transport containers of concentrated solution to each school every week.

*MultiMicro 200 refers to MultiMicro disinfectant/sanitizer that has been diluted by the Orbio® os3 dispenser to the ready-to-use form containing 200 ppm free available chlorine.

How OSG Technology Worked
• Removed old cleaning chemicals from carpets and made them look fresher.
• Reduced chemical risk to staff and students.
• The generator supplies enough os3 solution to clean eight schools.

How OSG Was Applied
• MultiSurface Cleaner replaced glass and all-purpose cleaners, floor cleaners, stainless steel cleaners and carpet cleaners.
• MultiMicro™ 200 disinfecting sanitizing solution replaced one-step cleaner-disinfectants, and food-contact and non food-contact surface sanitizers.

"THE OS3 SYSTEM IS EASIER TO MANAGE, EASY TO MAINTAIN, AND HAS LOWER ENVIRONMENTAL IMPACT COMPARED TO DAILY-USE PACKAGED CLEANING CHEMICALS — AND WE NEVER RUN OUT."

Kurt Kuempel
General Manager
GSF USA

www.orbio.com  2  1-800-553-8033
“The os3 system is easier to manage, easy to maintain, and has lower environmental impact compared to daily-use packaged cleaning chemicals — and we never run out” said Kuempel. “MultiSurface Cleaner and MultiMicro™ 200 are always on hand ready to use, and it reduces risk to staff and students because there are no irritations from added fragrances.”

Kuempel’s crew uses MultiSurface Cleaner and MultiMicro™ 200 to clean classrooms, hallways and bathrooms. In fact it works so well, with the exception of degreaser, they’ve removed all other cleaning chemicals from the schools. MultiSurface Cleaner also does a great job cleaning their carpet.

“It’s safer for kids and for my employees. The Orbio system uses just water and salt, and leaves no slippery residues behind, so there are fewer accidents than with traditional cleaning chemicals,” said Kuempel. “There’s also less packaging waste and need to transport chemicals, so it’s more sustainable and better for the environment.”

In addition, Kuempel appreciates the simplified training to use the os3 system, and the fact that he’s promoting a healthy learning environment by using chemicals that maintain good indoor air quality.

“As a parent, I want my kids to be safe. Any chemicals used to clean their schools need to be safe. I’ve been to too many sites and seen a hundred chemicals and no SDS sheets. I want to ask, ‘do you know what you’re cleaning with?’” said Kuempel. “The os3 simplifies the process. There are only two choices – the MultiSurface Cleaner or the MultiMicro 200 sanitizer/disinfectant and both are safe. Even if you mix them up, they won’t harm my child.”
OS3
ON-SITE GENERATOR

- SIMPLE
- SMALL
- COST-EFFECTIVE

Orbio® os3 system is the future of OSG (On-Site Generation). It's small enough to fit into most janitorial closets and generates both cleaning and disinfecting/sanitizing solutions on-site at your location.

INTUITIVE DISPLAY
- Easy-to-understand, color-coded icons display machine status

EASY MAINTENANCE
- Standard water softener salt pellets are the only consumable

EASY INSTALLATION
- Requires only a water supply, drain, and electrical outlet to get up and running
- Two mounting options, floor-mounted (as shown) or with the os3 Generator wall-mounted

SIMPLE TO USE
- Fill spray bottles or buckets/equipment
- Select MultiSurface Cleaner or MultiMicro™ 200* disinfecting/sanitizing solution

HIGH CAPACITY
- Concentrated solutions are held in the generator until diluted through the dispenser

<table>
<thead>
<tr>
<th></th>
<th>Gallons</th>
<th>Liters</th>
</tr>
</thead>
<tbody>
<tr>
<td>MultiSurface</td>
<td>50</td>
<td>190</td>
</tr>
<tr>
<td>MultiMicro 200*</td>
<td>25</td>
<td>95</td>
</tr>
</tbody>
</table>

- Quick regeneration time
  *MultiMicro 200 refers to MultiMicro Concentrate that has been diluted by the Orbio® os3 dispenser to the ready-to-use form containing 200 ppm free available chlorine.

# MultiSurface Cleaner

- Third-party recognition
- Carpet performance

## REPLACES:
- Glass cleaners
- All-purpose cleaners
- Stainless steel cleaners

## REPLACES:
- One-step cleaner-disinfectants
- Food contact surface sanitizers
- Non-food contact surface sanitizers

## REPLACES:
- Carpet cleaners
- Hard surface cleaners in:
  - Mop buckets
  - Flat microfiber mop systems
  - Automatic scrubbers

## REPLACES:
- One-step cleaner-disinfectants and non-food contact surface sanitizers:
  - Mop buckets
  - Flat microfiber mop systems

---

**MultiMicro™ 200**

- One-step cleaner-disinfectant
- Food contact surface sanitizer
- Non-food contact surface sanitizer
- Deodorizer
- 7-day shelf life

---

*Canadian Customers: MultiMicro™ 200 is approved for use in Canada as a food contact surface sanitizer and deodorizer. The solution is going through the Canadian regulatory process for approval as a disinfectant.

*MultiMicro 200 refers to MultiMicro Concentrate that has been diluted by the Orbio® os3 dispenser to the ready-to-use form containing 200 ppm free available chlorine.

## os3 Specifications

<table>
<thead>
<tr>
<th>Dispensing System</th>
<th>MultiSurface Cleaner</th>
<th>MultiMicro 200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dispenser dilution ratio</td>
<td>10:1</td>
<td>7.5:1</td>
</tr>
<tr>
<td>RTU (Ready-to-Use) dispensing capacity (with full Concentrate tank)</td>
<td>50 gal/190L</td>
<td>25 gal/95L</td>
</tr>
<tr>
<td>pH (RTU)</td>
<td>10 - 11.5</td>
<td>6 - 8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Generation System</th>
<th>MultiSurface Concentrate</th>
<th>MultiMicro Concentrate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generator tank capacity</td>
<td>5 gal/19L</td>
<td>3.5 gal/13L</td>
</tr>
<tr>
<td>Generation rate</td>
<td>1 gal per hr/3.8L per hr</td>
<td>1.4 gal per hr/5.3L per hr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimensions/Weight</th>
<th>Water Softener</th>
<th>os3 Generator</th>
<th>Power Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td>14 in/356 mm</td>
<td>14 in/356 mm</td>
<td>Circuit requirement (min): 15A</td>
</tr>
<tr>
<td>Width</td>
<td>24 in/610 mm</td>
<td>24 in/610 mm</td>
<td>Input AC voltage: 120V/60Hz or 230V/50Hz</td>
</tr>
<tr>
<td>Height</td>
<td>27 in/686 mm</td>
<td>32 in/813 mm</td>
<td></td>
</tr>
</tbody>
</table>
# Cleaning Guide

**IMPORTANT!**
- Do not dilute solutions with water.
- Solutions are dispensed ready-to-use (RTU) from dispenser.
- Do NOT add other chemicals to solutions.
- MultiMicro 200 in a closed spray bottle is effective for up to 7 days. Empty spray bottles after 7 days and replace with fresh solution.

**IMPORTANTANTE!**
- No diluir soluciones con agua.
- Las soluciones son dispensadas listas para uso (RTU) del dispensador.
- No agregar otros productos químicos a soluciones.
- MultiMicro 200 en una botella de spray cerrada es eficaz para un máximo de 7 días. Retirar botellas de spray vacías después de 7 días y reemplazar con una solución fresca.

<table>
<thead>
<tr>
<th>AREA</th>
<th>SURFACE</th>
<th>PRODUCT</th>
<th>TOOLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESTROOMS</td>
<td>Sinks, counters, outside urinals and toilets, diaper changing table, walls and partitions, around fixtures, stainless steel fixtures, and door handles and push plates</td>
<td>MultiMicro 200</td>
<td>+</td>
</tr>
<tr>
<td>FIXTURES</td>
<td>Se hunde, contadores, duchas de orientación y WC, mesas, muebles y tabiques, en accesorios, accesorios de van a inodoro y tiradores de las puertas y los placas de empuje para cerrar puertas</td>
<td>MultiMicro 200</td>
<td>+</td>
</tr>
<tr>
<td>MIRRORS AND GLASS</td>
<td>Glass and metal</td>
<td>MultiSurface</td>
<td>+</td>
</tr>
<tr>
<td>ESPEJO Y VIDRIO</td>
<td>Vidrio and metal</td>
<td>MultiSurface</td>
<td>+</td>
</tr>
<tr>
<td>FLOORS</td>
<td>Tile</td>
<td>MultiMicro 200</td>
<td>+</td>
</tr>
<tr>
<td>URINALS AND TOILETS - TO DEODORIZE</td>
<td>Inside urinals and toilet bowls</td>
<td>MultiMicro 200</td>
<td>+</td>
</tr>
<tr>
<td>URINARIOS Y RETRETES - DESODORIZAR</td>
<td>Dentro urinarios y tazas de retrete</td>
<td>MultiMicro 200</td>
<td>+</td>
</tr>
<tr>
<td>CARPET</td>
<td>Note: Use Orbio MultiSurface Cleaner as a pre-spray and as cleaner in the carpet machine.</td>
<td>MultiSurface</td>
<td>+</td>
</tr>
<tr>
<td>ALFOMBA</td>
<td>Noto: Use Orbio MultiSurface Cleaner como una pulverización previa y como limpiador en las máquinas de limpieza de alfombras.</td>
<td>MultiSurface</td>
<td>+</td>
</tr>
<tr>
<td>SPOT CLEANING</td>
<td>Spot cleaning</td>
<td>MultiSurface</td>
<td>+</td>
</tr>
<tr>
<td>LIMPIEZA DE LA MANCHA</td>
<td>Clean carpet stains.</td>
<td>MultiSurface</td>
<td>+</td>
</tr>
<tr>
<td>LOW MOISTURE CARPET EXTRATION</td>
<td>No extraire humedad.</td>
<td>MultiSurface</td>
<td>+</td>
</tr>
<tr>
<td>EXTRAICIÓN DE HUMEDAD BAJO ALFOMBA</td>
<td>MultiSurface</td>
<td>+</td>
<td></td>
</tr>
<tr>
<td>STANDARD CARPET EXTRATION</td>
<td>No extraire humedad.</td>
<td>MultiSurface</td>
<td>+</td>
</tr>
<tr>
<td>EXTRAICIÓN DE LA ALFOMBA ESTÁNDAR</td>
<td>MultiSurface</td>
<td>+</td>
<td></td>
</tr>
<tr>
<td>HARD FLOORS</td>
<td>Porcelain, laminate (LVT), polished concrete, VCT</td>
<td>MultiSurface</td>
<td>+</td>
</tr>
<tr>
<td>Pisos Duros</td>
<td>Porcelain, lamina (LVT), pulido de hormigón, VCT</td>
<td>MultiSurface</td>
<td>+</td>
</tr>
<tr>
<td>AUTOSCRUBBING</td>
<td>Porcelain, laminate (LVT), polished concrete, VCT</td>
<td>MultiSurface</td>
<td>+</td>
</tr>
<tr>
<td>AUTO LAVADO</td>
<td>Porcelain, laminado (LVT), pulido de hormigón, VCT</td>
<td>MultiSurface</td>
<td>+</td>
</tr>
<tr>
<td>SPOT MOPPING</td>
<td>Porcelain, laminate (LVT), polished concrete, VCT, terrazzo</td>
<td>MultiSurface</td>
<td>+</td>
</tr>
<tr>
<td>PUNTO DE TRAPEAR</td>
<td>Porcelain, laminado (LVT), pulido de hormigón, VCT, terrazzo</td>
<td>MultiSurface</td>
<td>+</td>
</tr>
<tr>
<td>HARD SURFACES</td>
<td>Tables, chairs, vending machines, sinks, countertops, drinking fountains, elevators</td>
<td>MultiSurface</td>
<td>+</td>
</tr>
<tr>
<td>SUPERFICIES DUERAS</td>
<td>Mesas, sillas, máquinas de dispensación, fuentes de agua, mostradores, fuentes de agua, ascensores</td>
<td>MultiSurface</td>
<td>+</td>
</tr>
</tbody>
</table>

---

**Nota:** Para garantizar una limpieza efectiva, es importante seguir las instrucciones detalladas en el manual de uso de los productos Orbio. Algunas superficies duros, como el azulejo y el hormigón, pueden requerir la utilización de un limpiador específico. Antes de usar el limpiador, siempre es recomendable probar en un área no visible para verificar la efectividad y evitar daños a la superficie. 

---

**Importante:** Quite todo residuo anterior con un limpiador que no sea compatible con el limpiador de alfombras antes de aplicar el limpiador multiuso Orbio MultiSurface Cleaner.
SAFETY DATA SHEET
Multi-Surface Cleaner
Prepared to U.S. OSHA, ANSI, & Canadian WHMIS Standards
DM20073

SECTION 1. PRODUCT IDENTIFICATION

1.1 TRADE NAME (AS LABELED):
SYNONYMS:
None
CAS#:
Mixture
1.2 PRODUCT USE:
CHEMICAL SHIPPING NAME/CLASS:
Cleaning agent
U.N. NUMBER:
Non-Regulated Material
None
1.3 NORTH AMERICA:
MANUFACTURER’S NAME:
Tennant Company
ADDRESS:
701 North Lilac Drive, P.O. Box 1452, Minneapolis, MN 55440-1452
BUSINESS PHONE:
1-763-540-1200
EMAIL:
info@tennantco.com
WEB SITE INFORMATION:
www.ormio.com
1.4 EMERGENCY PHONE NUMBERS:
DATE OF CURRENT REVISION:
1-800-424-9300 (CHEMTREC – 24 Hrs)
DATE OF LAST REVISION:
March 25, 2014
New

SECTION 2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: This product is a clear colorless liquid with no odor.
Health Hazards: Under normal conditions of intended use this material does not pose a risk to health. Eye contact or prolonged skin contact may cause irritation.
Flammability Hazards: This product is a Non-Flammable liquid.
Reactivity Hazards: None known
Environmental Hazards: The Environmental effects of this product have not been investigated. Release of this product is not anticipated to have adverse effects in the aquatic environment.

US DOT SYMBOL(S)  CANADA (WHMIS) SYMBOL(S)  GHS Hazard Symbol(s)
Non-Regulated Material  Not Controlled  None
Signal Word: None

2.1 GHS LABELING AND HAZARD CLASSIFICATION:
This product does not meet the definition of a hazardous substance or preparation as defined by the OSHA and described in 29 CFR 1910.1200(d)

Component(s) Contributing to Classification(s)
None

2.2 LABEL ELEMENTS
GHS Hazard Classification(s):
None
Hazard Statement(s):
None

Precautionary Statement(s):
None

2.3 HEALTH HAZARDS OR RISKS FROM EXPOSURE:
SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE: The most significant routes of overexposure for this product are by contact with skin or eyes. The symptoms of overexposure are described in the following paragraphs.

ACUTE:
INHALATION: Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
CONTACT WITH SKIN: Under normal conditions of intended use, this material is not expected to be a skin hazard. Prolonged exposure may cause skin irritation.
EYE CONTACT: Contact with eyes may cause irritation with redness and tearing.
INGESTION: Under normal conditions of intended use, this material is not expected to be an ingestion hazard. Ingestion may cause gastrointestinal irritation.
CHRONIC: None known

Tennant Company  Page 1 of 6
SAFETY DATA SHEET

TARGET ORGANS: Acute: None known Chronic: None known

SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>COMPOSITION</th>
<th>WT. PERCENTAGE</th>
<th>CAS#</th>
<th>HAZARD CLASSIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>99.95%</td>
<td>7732-18-5</td>
<td>None</td>
</tr>
<tr>
<td>Sodium Hydroxide</td>
<td>0.05%</td>
<td>1310-73-2</td>
<td>[X] Irritant</td>
</tr>
</tbody>
</table>

Balance of other ingredients is less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format.

4. FIRST-AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES:

EYE CONTACT: If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.

SKIN CONTACT: Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.

INHALATION: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

INGESTION: If this product is swallowed, call physician or poison control center for treatment advice. Do not induce vomiting unless told to do so by a poison control center or physician. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. If transporting take a copy of the label and/or SDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known

4.2 SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Contact with eyes may cause irritation with redness and tearing. Prolonged skin exposure may cause mild irritation.

4.3 RECOMMENDATIONS TO PHYSICIANS:

Treat symptoms and eliminate overexposure.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 FIRE EXTINGUISHING MATERIALS:

Use fire extinguishing methods below:

- Water Spray: Yes
- Carbon Dioxide: Yes
- Foam: Yes
- Dry Chemical: Yes
- Halon: Yes
- Other: Any "C" Class

5.2 UNUSUAL FIRE AND EXPLOSION HAZARDS:

Not considered a fire or explosion hazard.

- Explosion Sensitivity to Mechanical Impact: No
- Explosion Sensitivity to Static Discharge: No
- FLASH POINT: Non-Flammable
- AUTOIGNITION TEMPERATURE: Not Applicable
- FLAMMABLE LIMITS (in air by volume, %): Lower NA Upper NA

5.3 SPECIAL FIRE-FIGHTING PROCEDURES:

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.
SAFETY DATA SHEET

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:
See Section 8.2 for Exposure Controls

6.2 ENVIRONMENTAL PRECAUTIONS:
Keep spilled material out of all sewers and open bodies of water.

6.3 SPILL AND LEAK RESPONSE:
Stop the flow of material, if this can be done safely. Contain discharged material. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Place in a proper container for disposal. Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces. (see Section 13, Disposal Considerations).

SECTION 7. HANDLING and STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:
As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Use good hygiene practices.

7.2 STORAGE AND HANDLING PRACTICES:
Store in original container. Store in sealed containers to maintain efficacy of solution. See technical bulletin for specific container storage information.

7.3 SPECIFIC USES:
Various uses

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 EXPOSURE PARAMETERS:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>ACGIH TLV</th>
<th>OSHA TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>1310-73-2</td>
<td>2 mg/m³</td>
<td>2 mg/m³</td>
</tr>
</tbody>
</table>

8.2 EXPOSURE CONTROLS:

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada.

RESPIRATORY PROTECTION: Not required when using this product. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93.
SAFETY DATA SHEET

**Eye Protection:** Safety glasses or goggles are recommended. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Standards of Canada.

**Hand Protection:** Chemical resistant gloves are recommended to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

**Body Protection:** Not normally required when using this product. If necessary, refer to appropriate Standards of Canada, or appropriate U.S. OSHA Standards described in 29 CFR 1910.136.

### SECTION 9. PHYSICAL and CHEMICAL PROPERTIES

**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:**
- **Appearance (Physical State) and Color:** Clear colorless liquid with no odor
- **Odor:** No odor
- **Odor Threshold:** Not Applicable
- **pH:** 10.0 – 11.50
- **Melting/Freezing Point:** 32°F (0°C)
- **Boiling Point:** 212°F (100°C)
- **Flash Point:** Not Applicable
- **Evaporation Rate (n-BuAc=1):** Not Available
- **Flammability (Solid, Gas):** Not Applicable
- **Upper/Lower Flammability or Explosion Limits:** Not Applicable
- **Vapor Pressure (mm Hg @ 20°C (68°F):** Not Available
- **Vapor Density:** Not Available
- **Relative Density:** Not Available
- **Specific Gravity:** Not Available
- **Solubility in Water:** Soluble
- **Weight per Gallon:** Not Available
- **Partition Coefficient (n-octanol/water):** Not Available
- **Auto-Ignition Temperature:** Not Applicable
- **Decomposition Temperature:** Not Available
- **Viscosity:** 0.001 Pas at 20°C

**9.2 OTHER INFORMATION:**
No additional information available

### SECTION 10. STABILITY and REACTIVITY

**10.1 Reactivity:**
None known

**10.2 Stability:**
Stable under conditions of normal storage and use.

**10.3 Possibility of Hazardous Reactions:**
Will not occur.

**10.4 Conditions to Avoid:**
Avoid freezing and excessive temperatures

**10.5 Materials With Which Substance Is Incompatible:**
None known

**10.6 Hazardous Decomposition Products:**
Thermal decomposition products include oxides of carbon

### SECTION 11. TOXICOLOGICAL INFORMATION

**11.1 Information on Toxicological Effects:**
- **Toxicity Data:**
  - Sodium Hydroxide CAS# 1310-73-2
  - Draize test, rabbit, eye: 400 ug Mild
  - Draize test, rabbit, eye: 1% Severe
  - Draize test, rabbit, eye: 50 ug/24H Severe
SAFETY DATA SHEET

Draize test, rabbit, eye: 1 mg/24H Severe
Draize test, rabbit, skin: 500 mg/24H Severe

SUSPECTED CANCER AGENT: Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

IRRITANCY OF PRODUCT: This product is not irritating to skin, eyes or respiratory system.

SENSITIZATION TO THE PRODUCT: This product is not a skin and respiratory sensitizer

REPRODUCTIVE TOXICITY INFORMATION: No information concerning the effects of this product and its components on the human reproductive system.

SECTION 12. ECOLOGICAL INFORMATION

12.1 TOXICITY:
No toxicity data available

12.2 PERSISTENCE AND DEGRADABILITY:
No specific data available on this product.

12.3 BIOACUMULATIVE POTENTIAL:
No specific data available on this product.

12.4 MOBILITY IN SOIL:
No specific data available on this product.

12.5 OTHER ADVERSE EFFECTS:
This product is not expected to be harmful to plants, animals or aquatic life.
ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS:
Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, and those of Canada

SECTION 14. TRANSPORTATION INFORMATION

US DOT, IATA, IMO, ADR:

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS: This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

14.1 UN IDENTIFICATION NUMBER: None
14.2 PROPER SHIPPING NAME: Non-Regulated Material
14.3 HAZARD CLASS NUMBER and DESCRIPTION: None
14.4 PACKING GROUP: NA
DOT LABEL(S) REQUIRED: None
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER: None

14.5 ENVIRONMENTAL HAZARDS: (RQ QUANTITY) None
MARINE POLLUTANT: The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

14.6 SPECIAL PRECAUTION FOR USER: None
INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA): This product is not considered as dangerous goods.
INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO): This product is not considered as dangerous goods.

SECTION 15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE SUBSTANCE OR MIXTURE:

UNITED STATES REGULATIONS:

U.S. SARA REPORTING REQUIREMENTS: The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.
SAFETY DATA SHEET

Multi-Surface Cleaner

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): Sodium Hydroxide CAS# 1310-73-2 1,000 Lbs RQ

U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory or are exempted from listing.

OTHER U.S. FEDERAL REGULATIONS: This chemical is regulated by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): Ingredients within this product are not on the Proposition 65 Lists.

CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are on the DSL Inventory, or are exempted from listing.

OTHER CANADIAN REGULATIONS: Not applicable.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This product is Not Controlled, per WHMIS Controlled Product Regulations

SECTION 16. OTHER INFORMATION

ABBREVIATIONS AND ACRONYMS:
EPA: United States Environmental Protection Agency
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)

PREPARED BY: Paul Elgbrett — (GHS MSDS Compliance PLUS)
DATE OF PRINTING: March 25, 2014

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. Tennant Company assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Tennant Company assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

END OF SDS SHEET
SAFETY DATA SHEET

MultiMicro™ 200

Prepared to U.S. OSHA, ANSI, & Canadian WHMIS Standards

SECTION 1. PRODUCT IDENTIFICATION

1.1 TRADE NAME (AS LABELED):
SYNONYM:
CAS#:

1.2 PRODUCT USE:
CHEMICAL SHIPPING NAME/CLASS:
U.N. NUMBER:

1.3 NORTH AMERICA:
MANUFACTURER'S NAME:
ADDRESS:
BUSINESS PHONE:
EMAIL:
WEB SITE INFORMATION:

1.4 EMERGENCY PHONE NUMBERS:
DATE OF CURRENT REVISION:
DATE OF LAST REVISION:

Tennant Company
701 North Lilac Drive, P.O. Box 1452, Minneapolis, MN 55440-1452
1-763-540-1200
info@tennanntco.com
www.orbio.com
1-800-424-9300 (CHEMTREC — 24 Hrs)
December 5, 2014
New

SECTION 2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: This product is regulated by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. This product is a clear colorless liquid with a slight chlorine odor.

Health Hazards: Under normal conditions of intended use this material does not pose a risk to health. This product has been classified by independent testing to be practically non-irritating to eyes and non-irritating to skin. Prolonged skin contact may cause irritation. Avoid breathing spray mist.

Flammability Hazards: This product is a Non-Flammable liquid.

Reactivity Hazards: None known

Environmental Hazards: The Environmental effects of this product have not been investigated. Release of this product is not anticipated to have adverse effects in the aquatic environment.

US EPA SIGNAL WORD: "Not Controlled"

CANADA (WHMIS) SYMBOL(S) GHS Hazard Symbol(s)

CAUTION!

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY:
This chemical is regulated by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

2.1 GHS LABELLING AND HAZARD CLASSIFICATION:
This product does not meet the definition of a hazardous substance or preparation as defined by the OSHA and described in 29 CFR 1910.1200(d)

Component(s) Contributing to Classification(s)
None

2.2 LABEL ELEMENTS
GHS Hazard Classification(s):
None
Hazard Statement(s):
None

Precautionary Statement(s):
None
SAFETY DATA SHEET

2.3 HEALTH HAZARDS OR RISKS FROM EXPOSURE:
SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE: The most significant routes of overexposure for this product are by contact with skin or eyes. The symptoms of overexposure are described in the following paragraphs.

ACUTE:
- INHALATION: Under normal conditions of intended use, this material is not expected to be an inhalation hazard. Avoid breathing spray mist.
- CONTACT WITH SKIN: Under normal conditions of intended use, this material is not expected to be a skin hazard. In an independent study per U.S. EPA Guidelines OPPTS 870.2500 this product has been classified as non-irritating to the skin. Prolonged exposure may cause possible skin irritation.
- EYE CONTACT: Contact with eyes is not expected to cause irritation. In an independent study per U.S. EPA Guidelines OPPTS 870.2400 this product has been classified as practically non-irritating to the eyes.
- INGESTION: Under normal conditions of intended use, this material is not expected to be an ingestion hazard. Ingestion of large quantities may cause gastrointestinal irritation.

CHRONIC: None known

TARGET ORGANS: Acute: Skin, Eyes  Chronic: None known

SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>COMPOSITION</th>
<th>WT. PERCENTAGE</th>
<th>CAS#</th>
<th>HAZARD CLASSIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>99.98%</td>
<td>7732-18-5</td>
<td>None</td>
</tr>
<tr>
<td>Hypochlorous Acid</td>
<td>0.02%</td>
<td>7790-92-3</td>
<td>(X) Irritant</td>
</tr>
</tbody>
</table>

Balance of other ingredients is less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensizers).

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format.

4. FIRST-AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES:
- EYE CONTACT: If product enters the eyes, hold eyes open and rinse slowly with water for 15 - 20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- SKIN CONTACT: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.
- INHALATION: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.
- INGESTION: If this product is swallowed, call physician or poison control center for treatment advice. Do not induce vomiting unless told to do so by a poison control center or physician. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. If transporting take a copy of the label and/or SDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known

4.2 SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Prolonged skin exposure may cause mild irritation.

4.3 RECOMMENDATIONS TO PHYSICIANS:

Treat symptoms and eliminate overexposure.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 FIRE EXTINGUISHING MATERIALS:
Use fire extinguishing methods below:
- Water Spray: Yes
- Carbon Dioxide: Yes
- Foam: Yes
- Dry Chemical: Yes
- Halon: Yes
- Other: Any "C" Class

5.2 UNUSUAL FIRE AND EXPLOSION HAZARDS:

Not considered a fire or explosion hazard.
- Explosion Sensitivity to Mechanical Impact: No
- Explosion Sensitivity to Static Discharge: No
SAFETY DATA SHEET

FLASH POINT: Non-Flammable
AUTOIGNITION TEMPERATURE: Not Applicable
FLAMMABLE LIMITS (in air by volume, %): Lower NA Upper NA

5.3 SPECIAL FIRE-FIGHTING PROCEDURES:
Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM

HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH HAZARD (BLUE) 1
FLAMMABILITY HAZARD (RED) 0
PHYSICAL HAZARD (YELLOW) 0

PROTECTIVE EQUIPMENT
EYES See Sect 8
RESPIRATORY See Sect 8
HANDS See Sect 8
BODY

For Routine Industrial Use and Handling Applications

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:
See Section 8.2 for Exposure Controls

6.2 ENVIRONMENTAL PRECAUTIONS:
Keep spilled material out of all sewers and open bodies of water.

6.3 SPILL AND LEAK RESPONSE:
Stop the flow of material, if this can be done safely. Contain discharged material. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Place in a proper container for disposal. Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces (see Section 13, Disposal Considerations).

SECTION 7. HANDLING and STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:
As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Use good hygiene practices.

7.2 STORAGE AND HANDLING PRACTICES:
Store in original container. Store in sealed containers to maintain efficacy of solution. See technical bulletin for specific container storage information.

7.3 SPECIFIC USES:
Various uses

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 EXPOSURE PARAMETERS:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>ACGIH TLV</th>
<th>OSHA TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hypochlorous Acid</td>
<td>7790-92-3</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

Tennant Company Page 3 of 6
8.2 EXPOSURE CONTROLS:
VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada.

RESPIRATORY PROTECTION: Not required when using this product. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93.

EYE PROTECTION: Safety glasses or goggles are recommended. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Standards of Canada.

HAND PROTECTION: Chemical resistant gloves are recommended to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

BODY PROTECTION: Not normally required when using this product. If necessary, refer to appropriate Standards of Canada, or appropriate U.S. OSHA Standards described in 29 CFR 1910.136.

SECTION 9. PHYSICAL and CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE (Physical State) and COLOR: Clear colorless liquid with a slight chlorine odor

ODOR: Slight chlorine odor

ODOR THRESHOLD: Not Applicable

pH: 5 – 6

MELTING/FREEZING POINT: 32°F (0°C)

BOILING POINT: 212°F (100°C)

FLASH POINT: Not Applicable

EVAPORATION RATE (n-BuAc=1): Not Available

FLAMMABILITY (SOLID, GAS): Not Applicable

UPPER/LOWER FLAMMABILITY OR EXPLOSION LIMITS: Not Applicable

VAPOR PRESSURE (mm Hg @ 20°C (68°F)): Not Available

VAPOR DENSITY: Not Available

RELATIVE DENSITY: Not Available

SPECIFIC GRAVITY: Not Available

SOLUBILITY IN WATER: Completely Soluble

WEIGHT PER GALLON: Not Available

PARTITION COEFFICIENT (n-octanol/water): Not Available

AUTO-IGNITION TEMPERATURE: Not Applicable

DECOMPOSITION TEMPERATURE: Not Available

VISCOITY: 0.001 Pa s @ 20°C

9.2 OTHER INFORMATION:

No additional information available

SECTION 10. STABILITY and REACTIVITY

10.1 REACTIVITY:

This product is a strong oxidizer. Do not mix with ammonia or acid which will produce chlorine gas.

10.2 STABILITY:

Stable under conditions of normal storage and use.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS:

Will not occur.

10.4 CONDITIONS TO AVOID:

Avoid freezing and excessive temperatures

10.5 MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:

None known

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition products include oxides of carbon
SECTION 11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

TOXICITY DATA:
Hypochlorous Acid CAS# 7790-92-3
No LD 50 Data Available

SUSPECTED CANCER AGENT: Ingredients within this product are not found on the following lists: FEDERAL OSHA LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

IRRITANCY OF PRODUCT: In an independent study per U.S. EPA Guidelines OPPTS 870.2400 and OPPTS 870.2500 this product has been classified in a single exposure as practically non-irritating to the eyes and non-irritating to skin.

SENSITIZATION TO THE PRODUCT: This product is not a skin and respiratory sensitizer

REPRODUCTIVE TOXICITY INFORMATION: No information concerning the effects of this product and its components on the human reproductive system.

SECTION 12. ECOLOGICAL INFORMATION

12.1 TOXICITY:
No toxicity data available

12.2 PERSISTENCE AND DEGRADABILITY:
No specific data available on this product.

12.3 BIOACCUMULATIVE POTENTIAL:
No specific data available on this product.

12.4 MOBILITY IN SOIL:
No specific data available on this product.

12.5 OTHER ADVERSE EFFECTS:
This product is not expected to be harmful to plants, animals or aquatic life.
ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS:
Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, and those of Canada.

SECTION 14. TRANSPORTATION INFORMATION

US DOT, IATA, IMO, ADR:
U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS: This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

14.1 UN IDENTIFICATION NUMBER: None
14.2 PROPER SHIPPING NAME: Non-Regulated Material

14.3 HAZARD CLASS NUMBER and DESCRIPTION:

14.4 PACKING GROUP:

14.5 LABEL(S) REQUIRED:

14.6 NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER: None

14.7 ENVIRONMENTAL HAZARDS: (RQ QUANTITY) None

MARINE POLLUTANT: The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

14.8 SPECIAL PRECAUTION FOR USER: None

INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA): This product is not considered as dangerous goods.

INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO): This product is not considered as dangerous goods.
SAFETY DATA SHEET

SECTION 15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE SUBSTANCE OR MIXTURE:

UNITED STATES REGULATIONS:

U.S. SARA REPORTING REQUIREMENTS: The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): Hypochlorous Acid, CAS# 7790-92-3, 1,000 Lbs RQ

U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory or are exempted from listing.

OTHER U.S. FEDERAL REGULATIONS: This chemical is regulated by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): Ingredients within this product are not on the Proposition 65 Lists.

CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are on the DSL Inventory, or are exempted from listing.

OTHER CANADIAN REGULATIONS: Not applicable.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This product is “Not Controlled”, per WHMIS Controlled Product Regulations.

SECTION 16. OTHER INFORMATION

ABBREVIATIONS AND ACRONYMS:

EPA: United States Environmental Protection Agency
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)

PREPARED BY: Paul Eigbrett – (GHS MSDS Compliance PLUS)

DATE OF PRINTING: March 25, 2014

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. Tennant Company assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Tennant Company assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

END OF SDS SHEET
CREAM CLEANSER
With Envirocid Odor Eliminator

- Smooth clinging cleanser that removes soap scum, body fats, grease and hard water salts from tubs, tiles and toilet bowls
- Cleans without harsh abrasives

DIRECTIONS:

GENERAL CLEANING:
For Tubs, Sinks, Toilets, Urinals and more
- Squeeze small amount on surface or in bowl
- Scrub with non-abrasive sponge, pad, or mop
- Rinse with water, wipe clean

SPECIALTY CLEANING:
for Rubber Marks, Grime Buildup, Whitewalls, and Porous Surfaces
- Allow to stand for 2 minutes
- Scrub with abrasive brush or pad
- Rinse clean

SIZES:
946 mL (1 U.S. quart)

PACKAGING
Wherever possible, bottles and pails made from recycled plastic (10 - 25%). Can be recycled where facilities exist. Boxes made from recycled cardboard (94 - 100%).

BIODEGRADABILITY
(Decomposition of organic substances into carbon dioxide, water and other harmless substances.) Rapid biodegradation reduces impact on the environment and food chain. All organic cleaning ingredients in these formulas are readily biodegradable per OECD Test 301D.

HEALTH & SAFETY
No ingredient found on major regulatory lists. Non-Irritant and non-corrosive at use dilution.

NATURAL RENEWABLE RESOURCES
Wherever possible, we use only naturally-based, renewable ingredients, such as grains, corn oil, palm kernel oil, coconut oil, sugar cane juice & glucose.

TOXICITY
Acute Oral/Dermal Product considered essentially non-toxic according to WHIMS regulations.

AQUATIC TOXICITY
Product exceeds recognized acute toxicity standards for fish, invertebrate and algae at use dilution.

CERTIFIED
Environmental Choice Program
CCD-163-Bathroom Cleaner

Distributed By:
CERTIFICATE OF COMPLIANCE

Enviro-Solutions
ES53 CREAM CLEANSER with Envirocide Odor Eliminator

UL 2759 - 2011 Standard for the Sustainability for Hard Surface Cleaners

RCESL146500  65892-4270
Project Number  Certificate Number

01/08/2015 - 07/27/2017
Certificate Period
SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product identifier used on the label: Cream Cleanser

Other means of identification: ES53

Recommended use of the chemical and restrictions on use: For professional use only.

Manufacturer/Supplier:
Charlotte Products Ltd.
Address:
2060 Fisher Dr.
Peterborough, On K9J 8N4

Telephone: 705-740-2880
Fax: 705-745-1239

24 Hr. Emergency Tel. #: Infotrac 1-800-535-5053 (North America), 011-1-352-323-3500 (International)

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the chemical:

Skin Corrosion/Irritation 2

Eye Damage/Irritation 2A

Label elements:

Signal Word: Warning

Hazard statement(s)

H315 Causes skin irritation
H319 Causes serious eye irritation

Precautionary statement(s)

P264 Wash exposed areas thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P501 Dispose of contents/container in accordance with local regulation

If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

If on skin (or hair): Take off immediately all contaminated clothing. Wash with soap and water, rinse skin with water/shower. If skin irritation occurs get medical advice/attention. Wash contaminated clothing before reuse.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention
Hazard pictogram(s)

Other hazards not otherwise classified: None Known

Unknown Acute Toxicity: 2.8%

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name, Common Name &amp; Synonyms:</th>
<th>CAS #</th>
<th>Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrasodium Pyrophosphate (5-10%)/ Silicic Acid, Lithium Magnesium Sodium Salt (92-97%)</td>
<td>7722-88-5 (5-10%)/ 53320-86-8 (92-97%)</td>
<td>1-5</td>
</tr>
<tr>
<td>Calcium Carbonate (Limestone)</td>
<td>471-34-1</td>
<td>30-60</td>
</tr>
<tr>
<td>Sodium Bicarbonate</td>
<td>144-55-8</td>
<td>1-5</td>
</tr>
<tr>
<td>Alcohols, C12-16, ethoxylated (&gt;5-10 EO)</td>
<td>68551-12-2</td>
<td>1-5</td>
</tr>
<tr>
<td>Sodium Alkyl Ethoxy Sulfate</td>
<td>68585-34-2</td>
<td>0.5-1.5</td>
</tr>
</tbody>
</table>

** If the chemical name/CAS # is “proprietary” and/or the weight % is shown as a range, this information had been withheld as a trade secret.

SECTION 4 - FIRST-AID MEASURES

Description of first aid measures:

If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

If on skin (or hair): Take off immediately all contaminated clothing. Wash with soap and water, rinse skin with water/shower. If skin irritation occurs get medical advice/attention. Wash contaminated clothing before reuse.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention

Most Important symptoms and effects, both acute and delayed: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: Not determined
Special hazards arising from the substance or mixture: None known

Flammability classification: Not flammable

Hazardous combustion products: Carbon oxides, oxides of phosphorus other unidentified organic compounds.

Special protective equipment and precautions for firefighters:

Protective equipment for fire-fighters: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

Special fire-fighting procedures: Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses. Dike for water control.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

Methods and material for containment and cleaning up: Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material. Do not use combustible absorbents, such as sawdust. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.

Special spill response procedures: In case of a transportation accident, contact Infotrac 1-800-535-5053 (North America), 011-1-352-323-3500 (International). If a spill/release in the US in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety practice. Use protective equipment recommended in section 8. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling.

Conditions for safe storage: Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Keep out of reach of children.

Incompatible materials: Oxidizing agents. Do not mix with other chemicals or cleaners

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrasodium Pyrophosphate (5-10%)/ Silicic Acid, Lithium Magnesium Sodium Salt (92-97%)</td>
<td>7722-88-5 (5-10%)/ 53320-86-8 (92-97%)</td>
<td>3 mg/m3</td>
</tr>
<tr>
<td>Calcium Carbonate (Limestone)</td>
<td>471-34-1</td>
<td></td>
</tr>
</tbody>
</table>
Exposure controls:

Ventilation and engineering measures: Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory protection: If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134). Advice should be sought from respiratory protection specialists.

Skin protection: Wear protective gloves. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective regimes.

Eye face protection: Wear eye/face protection. Wear as appropriate tightly fitting safety goggles; Safety glasses with side-shields.

Other protective equipment: Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

General hygiene considerations: Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Opaque blue liquid

Odor: Pine

Odor threshold: No applicable information available

pH: 8-9

Melting/Freezing point: No applicable information available

Initial boiling point and boiling range: 100 C

Flash point: No applicable information available

Flashpoint (Method): No applicable information available

Evaporation rate (BuAe = 1): Similar to water
Flammability (solid, gas): Not flammable

Lower flammable limit (% by vol.): Not Flammable

Upper flammable limit (% by vol.): Not Flammable

Vapor pressure: No applicable information available

Vapor density: No applicable information available

Relative density: No applicable information available

Solubility in water: Dispersible

Other solubility(ies): No applicable information available

Partition coefficient: No applicable information available

Auto ignition temperature: No applicable information available

Decomposition temperature: No applicable information available

Viscosity: Viscous.

Volatile organic Compounds (%VOC's): 2.0 g/L

Other physical/chemical comments: No applicable information available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Not normally reactive

Chemical stability: Stable

Possibility of hazardous reactions: No hazardous polymerization

Conditions to avoid: Keep out of reach of children. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.

Incompatible materials: Fluorine, strong oxidizing or reducing agents, bases, metals, sulfur trioxide, phosphorus pentoxide

Hazardous decomposition products: None known. Refer to ‘Hazardous Combustion Products’ in Section 5

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry - Inhalation: Avoid breathing vapors or mists

Routes of entry - skin & eye: Avoid contact with skin or eyes

Routes of entry - Ingestion: Do not taste or swallow

Potential Health Effects:

Signs and symptoms of short term (acute) exposure:
**Symptoms:** Please see section 4 of this SDS sheet for symptoms.

**Potential Chronic Health Effects:**

**Mutagenicity:** Not expected to be mutagenic in humans.

**Carcinogenicity:** No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

**Reproductive effects:** No applicable information available

**Sensitization to material:** No applicable information available

**Specific target organ effects:** No data available to indicate product or components will have specific target organ effects.

**Medical conditions aggravated by overexposure:** Preexisting skin or eye disorders.

**Toxicological data:**

See the following table for individual ingredient acute toxicity data.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS #</th>
<th>LD50 (Oral, rat)</th>
<th>LD50 (Dermal, Rabbit)</th>
<th>LC50 (4hr, Inhal., rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrasodium Pyrophosphate (5-10%)/ Silicic Acid, Lithium</td>
<td>7722-88-5 (5-10%)/ 53320-86-8 (92-97%)</td>
<td></td>
<td></td>
<td>19714</td>
</tr>
<tr>
<td>Magnesium Sodium Salt (92-97%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium Carbonate (Limestone)</td>
<td>471-34-1</td>
<td>6450</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium Bicarbonate</td>
<td>144-55-8</td>
<td>4220</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alcohols, C12-16, ethoxylated (&gt;5-10 EO)</td>
<td>68551-12-2</td>
<td>500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium Alkyl Ethoxy Sulfate</td>
<td>68585-34-2</td>
<td>10001</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*All empty cells no applicable information available

Other important toxicological hazards: None reported.

**SECTION 12 - ECOLOGICAL INFORMATION**

**Ecotoxicity:** May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment.

**Persistence and degradability:** No applicable information available

**Bioaccumulation potential:** No applicable information available.

**Mobility in soil:** No applicable information available.

**Other Adverse Environmental effects:** No applicable information available.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Handling for disposal:** Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8. Empty containers retain residue (liquid and/or vapour) and can be dangerous.
Methods of disposal: Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

RCRA: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste UN defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14 - TRANSPORTATION INFORMATION

Special Shipping Information: Keep from freezing.
T.D.G. Classification: Not regulated under T.D.G.
D.O.T. Classification: Not regulated under D.O.T.

SECTION 15 - REGULATORY INFORMATION

Occupational Health and Safety Regulations:
WHMIS 1988 Class: D2B
Environmental Regulatory Lists:
SARA – Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 – None of these ingredients are listed.
CERCLA – Section 102 (Reportable Quantity) 40 CFR 302 – None of these ingredients are listed.
RCRA 40 CFR 261 (SUBPART D) – None of these ingredients are listed.
CLEAN WATER ACT – Section 311 (Reportable Quantity) 40 CFR 116 - None of these ingredients are listed.
CLEAN AIR ACT – Section 313 (List of Hazardous Air Pollutants) 40 CFR 63 (Subpart C) – None of these ingredients are listed.
National Pollutant Release Inventory – None of the ingredients are listed.
Toxic Substances Control Act (TSCA) – All the ingredients are registered on the Chemical Substance Inventory.
Canadian Domestic Substance List (DSL) – All the ingredients are registered on the DSL.

SECTION 16 - OTHER INFORMATION

Legend:
AOGIH: American Conference of Governmental Industrial Hygienists
CAB: Chemical Abstract Services
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR: Code of Federal Regulations
CSA: Canadian Standards Association
DOT: Department of Transportation
ECOTOX: U.S. EPA Ecotoxology Database
EINECS: European Inventory of Existing Commercial chemical Substances
EPA: Environmental Protection Agency
HSDB: Hazardous Substances Data Bank
IARC: International Agency for Research on Cancer
IUCLID: International Uniform Chemical Information Database
LC: Lethal Concentration
LD: Lethal Dose
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OECD: Organization for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PEL: Permissible exposure limit
RCRA: Resource Conservation and Recovery Act
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet Material Safety Data Sheet
STEEL: Short Term Exposure Limit
TOS: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Identification System

Prepared By: Charlotte Technical Services Group  Tel: (705) 740 2880

DISCLAIMER
Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of this supplier, it is assumed that users of this material have been fully trained accordingly to the mandatory requirements of GHS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of, or reliance on, any information contained within this form.

END OF DOCUMENT
Merit Acid Free Disinfectant Restroom Cleaner

Acid free, ready-to-use cleaner deodorant for use on all hard, nonporous surfaces.

USES
- Bathrooms
- Dental Offices
- Health Care Facilities
- Airports
- Hotels
- Kitchens
- Homes
- Office Buildings
- Schools
- Restaurants

BENEFITS
- Safer and more versatile than acid-based products. Accidental spills on carpeting, baseboard splashes, clothing, etc., are easily rinsed away with no adverse effects.
- Strong enough to use on the inside of toilet bowls and urinals, yet mild enough to use on other bathroom surfaces, such as sinks, tubs, tiles, counters, walls, partitions, fixtures.
- Contains no acids, caustics, or abrasives. Will not etch porcelain or pit restroom fixtures.
- Leaves a fresh, pleasant fragrance.
- Convenient, ready to use, no mixing required.

PROPERTIES
Physical Form: Clear Liquid
Color: Blue
Scent: Lavender
Specific Gravity: 1.00
Density: 8.34 lbs. per gallon
pH: 9.0 - 10.0

SAFETY
DANGER
IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor going for treatment.

STORAGE AND DISPOSAL
Store in original container in areas inaccessible to small children. Do not reuse empty container. Wrap and discard in trash or recycle.

KEEP OUT OF REACH OF CHILDREN.
FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

DIRECTIONS FOR USE
Apply this product with mop, sponge, cloth, or sprayer on hard nonporous surfaces to thoroughly wet surfaces. For sprayer applications use a coarse spray device, spray 6 - 8 inches from surface. Avoid breathing spray. Rub with a brush, sponge or cloth. Treated surfaces must remain wet for 10 minutes. Wipe dry with a clean cloth, or sponge or allow to air dry. Rinsing is not necessary on floor surfaces that are to be waxed or polished.
For mold and mildew, repeat application weekly or when growth reappears.
Rinse all surfaces that come in contact with food such as countertops, appliances, tables and stovetops with potable water before reuse. This product should not be used to clean utensils, glassware and dishes.

TO CLEAN AND / OR DEODORIZE: Apply by mop, sponge, cloth, or spray on hard nonporous surfaces. Wipe dry with a clean cloth or sponge or allow to air dry.
CLEANING NON-FOOD CONTACT SURFACES: Use on washable, hard, nonporous surfaces: walls, floors, tables, garbage cans and telephones. Apply by mop, sponge, cloth, or spray to thoroughly wet surfaces for a minimum contact time of 5 minutes. Wipe dry with a clean cloth or sponge or allow to air dry. Do not use in food preparation, food handling, and food storage areas. Do not use to sanitize glassware, dishes or utensils.

TO CLEAN AND DEODORIZ TOILET BOWLS AND URINALS: Remove gross filth from bowl. Remove or expel over the inner trap residual bowl water. Use 4 ounces of product in toilet bowl or urinal. Apply (squeeze) directly around bowl and under rim; then brush or swab thoroughly. Allow product to remain on surface for a contact time of 10 minutes. Then flush toilet. This product, when used as directed, will not harm white or colored bowls or inanimate, hard surfaces. Close cap on container after use. Disposal of Infectious Materials: Blood and other body fluids should be autodaved and disposed of according to federal, state, and local regulations for infectious waste disposal.

AVAILABLE IN
Case/12 Quarts #965923

www.na.com
North American Corporation of Illinois, Glenview, IL 60025 • (800) 323-0297

Restroom Care
1. IDENTIFICATION

Product Identifier
Product Name Merit

Other Means of Identification
Product Code 965923

Recommended Use of the Chemical and Restrictions on Use
Recommended Use Non-acid washroom cleaner. For industrial use.

Details of the Supplier of the Safety Data Sheet
North American Corporation of Illinois
2101 Claire Court
Glenview, IL 60025

Emergency Telephone Number
Company Phone Number Phone: 1-800-323-0297
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Blue
Physical State Liquid
Odor Fresh

Classification
Acute Toxicity: dermal Category 5
Skin Corrosion/Irritation Category 3
Serious Eye Damage/Eye Irritation Category 2 Sub-category B
Aquatic Toxicity: Acute Category 2

Signal Word
Warning

Hazard Statements
May be harmful in contact with skin.
May cause mild skin irritation.
Causes eye damage.
Toxic to aquatic life.

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling.
Avoid release to the environment.
Precautionary Statements - Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
If skin irritation occurs: Get medical advice/attention.
Call a POISON CENTER or doctor/physician if you feel unwell.

Precautionary Statements - Storage
No other specific measures identified.

Precautionary Statements - Disposal
Dispose of contents/container in accordance with local, regional, and/or national regulations.
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>60-100</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>&lt;200ppm</td>
</tr>
</tbody>
</table>

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact: May cause irritation. Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. If irritation persists, get medical attention.

Skin Contact: May be mildly irritating. Very large exposure may be harmful. Flush immediately with plenty of water. If irritation persists, get medical attention.

Inhalation: Mists and vapors may be mildly irritating to the throat and respiratory tract. If breathing is affected, remove to fresh air. Get medical attention.

Ingestion: Harmful if swallowed. Immediately drink one cupful of water or milk. Get medical attention. Do not give anything by mouth to an unconscious person.

Aggravated Medical Conditions: Persons with pre-existing skin disorders may be more susceptible to irritating effects.

5. FIRE-FIGHTING MEASURES


Unsuitable Extinguishing Media: Not determined.

Specific Hazards Arising from the Chemical: Irritating and toxic gases or fumes may be released during a fire.

Hazardous Combustion Products: Combustion products are toxic.

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Wear protective clothing as described in Section 8 of this safety data sheet.
Environmental Precautions
Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13, Disposal Considerations, for additional information. See Section 12 for additional Ecological Information.

Methods and Material for Containment and Cleaning Up

Methods for Containment
Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers.

Methods for Clean-Up
Contain and collect with an inert absorbent and place into an appropriate container for disposal. Rinse area with clean water and dry before permitting traffic.

7. HANDLING AND STORAGE

Precautions for Safe Handling
Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. For industrial and commercial use only. Avoid contact with skin, eyes or clothing.

Advice on Safe Handling

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions
Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from freezing. Keep out of the reach of children.

Incompatible Materials
None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol 64-17-5</td>
<td>1000ppm</td>
<td>1000ppm</td>
<td>1000ppm</td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls

Engineering Controls
Ensure adequate ventilation, especially in confined areas. Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. Eyewash stations. Showers.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection
Eye protection should be used when splashing may occur.

Skin and Body Protection
Wear protective gloves when handling this product.

Respiratory Protection
Under normal conditions, respirator is not normally required. Avoid breathing vapors.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Appearance</th>
<th>Odor</th>
<th>Fresh</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid</td>
<td>Clear</td>
<td>Odor Threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>Color</td>
<td>Blue</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 10. STABILITY AND REACTIVITY

**Reactivity**
Not reactive under normal conditions.

**Chemical Stability**
Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**
None under normal processing.

**Hazardous Polymerization**
Hazardous polymerization does not occur.

**Conditions to Avoid**
Keep out of reach of children. Keep from freezing. Keep away from heat and strong oxidizing agents.

**Incompatible Materials**
Strong oxidizing agents (may result in fire), reducing agents.

**Hazardous Decomposition Products**
Thermal decomposition may produce carbon monoxide, carbon dioxide, and toxic hydrogen chloride vapors.

### 11. TOXICOLOGICAL INFORMATION

#### Information on Likely Routes of Exposure

**Product Information**

- **Eye Contact**: Avoid contact with eyes. Irritating.
- **Skin Contact**: Avoid contact with skin. May be irritating.
- **Inhalation**: Avoid breathing vapors or mists.
- **Ingestion**: Do not taste or swallow.
- **Chronic Effects**: Ingestion of ethanol by pregnant women can cause reproductive toxicity to the fetus.

#### Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
</table>
Information on Physical, Chemical and Toxicological Effects.

Symptoms
Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Carcinogenicity
This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical Measures of Toxicity
Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity
Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product as a whole</td>
<td>No data available for this product, but it is considered toxic to fish.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Persistence/Degradability
Not expected to persist.

Bioaccumulation
Not expected to bioaccumulate.

Mobility
Not determined

Other Adverse Effects
Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes
This substance, when discarded or disposed of, is a characteristic hazardous waste according to Federal regulation (40 CFR 261) and is assigned the EPA Hazardous Waste Number of D001. The discarding or disposal of this material must be done at a properly permitted facility in accordance with the regulations of 40 CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in the SDS incomplete, inaccurate or otherwise inappropriate.

Contaminated Packaging
Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note
Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT
NOI Non-Hazardous

IATA

IMDG

15. REGULATORY INFORMATION
International Inventories
Not determined

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/MDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

CERCLA
None Listed

SARA 311/312 Hazard Categories
Immediate Fire.

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)
None known.

US State Regulations
None known

U.S. State Right-to-Know Regulations
The following ingredients appear on various state right to know lists and/or California’s Proposition 65 List:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>State List</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl Chloride</td>
<td>AZ, CA, CAP65, CT, FL, IL, MA, MN, NJ, PA,</td>
</tr>
<tr>
<td>100-44-7 Trace&lt;10ppm</td>
<td></td>
</tr>
<tr>
<td>Ethanol</td>
<td>AZ, CA, CT, FL, ID, MA, MN, NJ, PA, RI</td>
</tr>
<tr>
<td>64-17-5 &lt;200ppm</td>
<td></td>
</tr>
</tbody>
</table>

AZ- Arizona Ambient Air Quality Guicelines
CT- Connecticut Hazardous Air Pollutants
CA- California Director’s List of Hazardous Substances
CAP65- California Prop65
FL- Florida Substances List
ID- Idaho Non-Carcinogen Toxic Air Pollutants

IL- Illinois Toxic Air Contaminant- Carcinogenic
MA- Massachusetts Right to Know List
MN- Minnesota Hazardous Substances List
NJ- New Jersey Hazardous Substances List
PA- Pennsylvania Right to Know List
RI- Rhode Island Hazardous Substances List

FIFRA Label Information:
This chemical is a pesticide product registered by the United States Environmental Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use.

Caution
Corrosive
Irritating to eyes. Harmful if swallowed or absorbed through the skin.

This product is toxic to fish and aquatic invertebrates.

16. OTHER INFORMATION
Health Hazards
Not determined

Flammability
Not determined

Instability
Not determined

Physical Hazards
0

Special Hazards
Not determined

Personal Protection
Not determined

Issue Date 08-Aug-2011
Revision Date: 02-Dec-2013
Revision Note Update format Version 1.0

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Keep Out of Reach of Children. For Industrial and Institutional Use Only.

*Denotes changes from last version.

End of Safety Data Sheet
GREEN STAINLESS STEEL CLEANER & PROTECTANT

100% USEABLE PRODUCT IN NON-AEROSOL SPRAY BOTTLE
100% NATURAL BIODEGRADABLE ORGANIC INGREDIENTS
GIVES A LONG LASTING BRILLIANT "LIQUID" SHINE
GREEN CROSS CERTIFIED - EARTH FRIENDLY

$$$ 100% MONEY BACK GUARANTEE $$$
CONTAINS NO PETROLEUM DISTILLATES
NON FLAMMABLE ~ NON COMBUSTABLE
RESISTS FINGERPRINTS & SMUDGES
NON-ABRASIVE ~ WON'T SCRATCH
EPA-DfE GREEN CERTIFIED
CLEANS WITHOUT STREAKS

THE ONLY ONE THAT WORKS!

<table>
<thead>
<tr>
<th>Manuf. #</th>
<th>Description</th>
<th>Pack</th>
</tr>
</thead>
<tbody>
<tr>
<td>11001 5</td>
<td>16 oz. GREEN Stainless Steel Cleaner WOW! Spray Bottle</td>
<td>6/16 oz. per case</td>
</tr>
<tr>
<td>11002 2</td>
<td>9&quot;x10&quot; GREEN Individually Wrapped Convenient WOW! Towelette</td>
<td>50/case</td>
</tr>
<tr>
<td>11004 6</td>
<td>30 Count GREEN WOW! Towelettes in Canister</td>
<td>6 Canisters per case</td>
</tr>
</tbody>
</table>

EZ FINISHES, INC. PO Box 895, Hudson, OH 44236
TOLL FREE: 866-969-3279 > FAX: 888-671-5741 > WEB: www.wowezfinish.com
Safety Data Sheet
WOW! Stainless Steel Cleaner and Protectant

Date: 02 February 2015
(Preparation or Last Revision)

SECTION 1: PRODUCT IDENTIFICATION
PRODUCT NAME: WOW! Stainless Steel Cleaner and Protectant
PRODUCT USE: Cleaner and Polish
MANUFACTURER: EZ Finishes, Inc.
PO Box 895
Hudson, OH 44236
Telephone: +1 (866) 969-3279
Fax: +1 (888) 671-5741
Website: www.wowezfinish.com

SECTION 2: HAZARDOUS INGREDIENTS
INgREDIENT: None

SECTION 3: COMPOSITION
COMPOSITION: Mixture consisting of the following components

SECTION 4: FIRST AID MEASURES
EYES: Flush with running cool water for 20 minutes. Seek medical attention if irritation persists.
SKIN: Wash thoroughly with soap and water. Seek medical attention if irritation persists.
INGESTION: Do NOT induce vomiting. Drink cool water. Call physician if nausea persists.
INHALATION: Not considered a hazard

SECTION 5: FIRE FIGHTING PROPERTIES
GENERAL INFORMATION: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
FLASH POINT: N/A
AUTOIGNITION TEMPERATURE: N/A
HAZARD CLASSIFICATION: N/A
HARMFULNESS: 0
REACTIVITY: 0
PROTECTION: A

SECTION 6: EXTINGUISHING MEDIA
SPECIAL FIRE FIGHTING PROCEDURES: Use extinguishing media appropriate for specific fire
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION 7: HANDLING & STORAGE
HANDLING & STORAGE: Store containers tightly closed and in an upright position. Do not destroy or deface the label. KEEP OUT OF REACH OF CHILDREN

SECTION 8: ACCIDENTAL RELEASE MEASURES
PERSONAL PRECAUTIONS: Spills can cause floors to be slippery.
SPILL AND LEAK PROCEDURES: Secure area with signs warning of slippery floors. Clean up spill with mop or rags.
ENVIRONMENTAL PRECAUTIONS: None

SECTION 9: PHYSICAL/ CHEMICAL CHARACTERISTICS
PH: 7.0
BOILING POINT: N/A
FREEZING POINT: N/A
specIFIC GRAVITY (H2O = 1): 0.875
VAPOR PRESSURE (MM HG): N/A
VAPOR DENSITY (AIR = 1): N/A
EVAPORATION RATE (Butyl Acetate = 1): N/A
SOLUBILITY IN WATER: Insoluble
APPEARANCE AND ODOR: Clear light amber citrus odor

SECTION 10: STABILITY AND REACTIVITY
STABILITY: Stable
CONDITIONS TO AVOID: None known
INCOMPATIBILITY (MATERIAL TO AVOID): None
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None
HAZARDOUS POLYMERIZATION: None
**SECTION 13: ECOTOXICOLOGICAL INFORMATION**

<table>
<thead>
<tr>
<th>Precautionary Statements: Caution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potential Health Effects:</td>
</tr>
<tr>
<td>Inhalation: Not considered a hazard</td>
</tr>
<tr>
<td>Eye: Irritation, redness</td>
</tr>
<tr>
<td>Skin: Prolonged skin contact may produce slight irritation</td>
</tr>
<tr>
<td>Ingestion: May cause gastrointestinal discomfort, nausea</td>
</tr>
<tr>
<td>Target Organs: None</td>
</tr>
<tr>
<td>Primary Routes of Exposure:</td>
</tr>
<tr>
<td>Potential Effects of Chronic Exposure: None</td>
</tr>
<tr>
<td>Carcinogenicity: N/A</td>
</tr>
<tr>
<td>Irritation/Sensitization: N/A</td>
</tr>
<tr>
<td>Teratogenicity: N/A</td>
</tr>
<tr>
<td>Mutagenicity: N/A</td>
</tr>
<tr>
<td>Reproductive Toxicity: N/A</td>
</tr>
</tbody>
</table>

**SECTION 12: ECOCLOGICAL INFORMATION**

| Ecotoxicity: None |
| Biodegradability: N/A |
| Bioaccumulation: N/A |
| Mobility: N/A |
| Other Adverse Effects: N/A |

**SECTION 14: WASTE DISPOSAL METHOD**

Dispose of in accordance with local, state and federal regulations.

**SECTION 16: REGULATORY INFORMATION**

**US Federal Regulations:**
- TSCA (Toxic Substances Control Act): Yes
- CERCLA/SARA - Hazardous Substances and their Reportable Quantities: None
- 302 Extremely Hazardous Substances EPCRA Qs: No
- 302 Extremely Hazardous Substances TPQs: No
- CERCLA/SARA - 311/312: No
- CERCLA/SARA - 313: No

**US State Regulations:**
- California - 8 CCR Section 339 - Director's List of Hazardous Substances: No
- Right to Know: Massachusetts, Pennsylvania, Minnesota, Florida, New Jersey: No

**International Regulations:**
- WATER HAZARD CLASS (GERMANY): N/A
- Domestic Substances List (DSL): N/A
- WHMIS - Ingredient Disclosure List: N/A
- WHMIS Status: N/A

_DISCLAIMER:_ The information provided in this Safety Data Sheet has been compiled, in good faith, from our experience and data presented in various technical publications. An SDS for a substance is not primarily intended for use by the general consumer, focusing instead on the hazards of working with the material in an occupational setting. It is believed to be accurate and represents the best information currently available. HOWEVER, EZ FINISHES, INC. MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER TYPE, EXPRESSED OR IMPLIED, WITH RESPECT TO PRODUCTS DESCRIBED OR DATA OR INFORMATION PROVIDED, AND WE ASSUME NO LIABILITY RESULTING FROM THE USE OF SUCH PRODUCTS, DATA OR INFORMATION. Users should make their own investigations to determine the suitability of the information for their particular purposes, and the user assumes all risk arising from the use of the material. The user is required to comply with all laws and regulations relating to the purchase, use, storage and disposal of the material, and must be familiar with and follow generally accepted safe handling procedures. In no event shall EZ Finishes, Inc. be liable for any claims, losses, or damages of any individual or for lost profits or any special, indirect, incidental, consequential or exemplary damages, however arising, even if EZ Finishes, Inc. has been advised of the possibility of such damages. We reserve the right to update an SDS from time to time as new information becomes available. It is the responsibility of the user to verify that they have the latest revision available.

Manufactured By/Contact Source for Additional Information:
- EZ FINISHES, INC.
- PO BOX 895
- HUDDSON, OH 44236
- United States of America
- Phone Number: 1-866-969-3279
- Fax Number: 1-888-671-5741
- Email Address: d.lemmens@wowfinish.com
- Preparer's Name: David Lemmens
Spitfire® RTU & SC
Power Cleaner

Spray-and-wipe cleaner that removes the toughest dirt, grime, oils and stains from a wide variety of surfaces.

Effective
- Works on the toughest dirt, grime and stains on a wide variety of surfaces
- Lightly scented and pleasant to use, the no-rinse formula leaves no residue

Versatile
- Effective on a wide variety of surfaces
- Cleans a wide variety of soils

Easy-To-Use
- Just spray and wipe

Designed For
- Health Care
- Food Service
- Education
- Lodging

For additional information, please contact us at +1 800 958 2332 or at www.diversey.com.
Use Overview

**Spitfire® Power Cleaner** is a powerful cleaner that works on the toughest dirt, grime and stains on a wide variety of surfaces. Super-strength formula eliminates grease, petroleum and food soils. Lightly scented and pleasant to use, this no-rinse formula leaves no residue.

- Spray on hard surfaces to be cleaned.
- Allow power cleaner to penetrate and lift soils.
- Wipe with a clean cloth.
- Does not require a water rinse after use.

- Do not use on glass, aluminum or water-based paint.
- Suitable for use in areas where food or packaging will not come in contact with spray or surface during or after the use of this product.

### Product Specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>RTU</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Color/Form</strong></td>
<td>Clear red, liquid</td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td>&gt; 200°F (&gt; 93.4°C)</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>12.3</td>
</tr>
<tr>
<td><strong>Scent</strong></td>
<td>Fresh pine</td>
</tr>
<tr>
<td><strong>Shelf Life</strong></td>
<td>2 years</td>
</tr>
<tr>
<td><strong>Solubility</strong></td>
<td>Complete</td>
</tr>
<tr>
<td><strong>Specific Gravity</strong></td>
<td>1.01</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>SC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Color/Form</strong></td>
<td>Red, liquid</td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td>&gt; 230°F (&gt; 93.4°C)</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>13.5 (Concentrate) / 12.0 (Use Dilution 1:12)</td>
</tr>
<tr>
<td><strong>Scent</strong></td>
<td>Fresh pine</td>
</tr>
<tr>
<td><strong>Shelf Life</strong></td>
<td>2 years</td>
</tr>
<tr>
<td><strong>Solubility</strong></td>
<td>Complete</td>
</tr>
<tr>
<td><strong>Specific Gravity</strong></td>
<td>1.03</td>
</tr>
</tbody>
</table>

### Available Items

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description/Package Size</th>
<th>Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>5891789</td>
<td>12 x 32 fl. oz. / 946 mL Spray Bottles (w/2 sprayers)</td>
<td>Ready-To-Use</td>
</tr>
<tr>
<td>5891703</td>
<td>12 x 32 fl. oz. / 946 mL Spray Bottles (w/12 sprayers)</td>
<td>Ready-To-Use</td>
</tr>
<tr>
<td>5892036</td>
<td>4 x 64 oz. / 1.89 L Solutions Center® Bottles (SC)</td>
<td>1:12</td>
</tr>
<tr>
<td>5892221</td>
<td>2 x 2.5 L / 84.5 oz. J-Fill® Bottles (SC)</td>
<td>1:12</td>
</tr>
<tr>
<td>5891201</td>
<td>2 x 1.5 L / 1.59 Qt. RTD® Units (SC)</td>
<td>1:16</td>
</tr>
<tr>
<td>5892546</td>
<td>1 x 5 L / 1.32 gallon RTD® Units (SC)</td>
<td>1:16</td>
</tr>
<tr>
<td>03919</td>
<td>12 x 32 fl. oz. / 946 mL Empty Spray Bottles</td>
<td></td>
</tr>
</tbody>
</table>

### Safety Reminder

Please make sure your employees read and understand the product label and Material Safety Data Sheet before using this product. The label contains directions for use, and both the label and MSDS contain hazard warnings, precautionary statements and first aid procedures. MSDS are available on-line at www.dividey.com or by calling 888 352 2249.

---

**For additional information, please contact us at +1 800 558 2332 or at www.dividey.com**

© 2013 Diversey, Inc., 8310 16th Street, Sturtevant, WI 53177-1964. All Rights Reserved. SPC30273 (13/014)
Sealed Air
Diversey Care

Spitfire RTU Power Cleaner

Version Number: 6
Preparation date: 2015-09-29

1. IDENTIFICATION

Product name: Spitfire RTU Power Cleaner
Product Code: 95891789, 100870948
SDS #: MS0800202
Recommended use:
• Cleaning product
Uses advised against:
• This product is intended to be used neat.
Uses other than those identified are not recommended

Manufacturer, importer, supplier:
US Headquarters
Sealed Air
8215 Forest Point Blvd.
Charlotte, NC 28273-5509
Phone: 1-888-352-2249
SDS Internet Address: https://sds.sealedair.com

Emergency telephone number: 1-800-651-7145 (U.S.); 1-651-917-6133 (Int'l)

Canadian Headquarters
Sealed Air - Canada
3755 Laird Road
Mississauga, Ontario L5L 0B3
Phone: 1-800-688-7171

2. HAZARDS IDENTIFICATION

Classification for the undiluted product
Serious eye damage/eye irritation
Category 2A

Signal Word: Warning.

Precautionary Statements
CAUSES SERIOUS EYE IRRITATION.
Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. May cause irritation to mouth, throat and stomach. Wear chemical-splash goggles and chemical-resistant gloves. IF SWALLOWED: Rinse mouth. Drink a cupful of milk or water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists: Get medical advice or attention. Dispose of in accordance with all federal, state and local applicable regulations.

Health hazards not otherwise classified (HHNOC) - Not applicable
Physical hazards not otherwise classified (PHNOC) - Not applicable

Classification for the diluted product @ RTU
This product is intended to be used neat.
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Classified Ingredients</th>
<th>CAS #</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol</td>
<td>100-51-6</td>
<td>3% - &lt; 5%</td>
</tr>
<tr>
<td>Diethylene glycol monoethyl ether</td>
<td>111-90-0</td>
<td>1% - &lt; 3%</td>
</tr>
<tr>
<td>Sodium xylene sulfonate</td>
<td>1300-72-7</td>
<td>1% - &lt; 3%</td>
</tr>
<tr>
<td>Alcohol ethoxylates</td>
<td>68439-46-3</td>
<td>1% - &lt; 3%</td>
</tr>
<tr>
<td>Monoethanolamine</td>
<td>141-43-5</td>
<td>&gt; 0.1% - &lt; 1%</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>1310-58-3</td>
<td>&gt; 0.1% - &lt; 1%</td>
</tr>
</tbody>
</table>

*Exact percentages are being withheld as trade secret information*

4. FIRST AID MEASURES

**Undiluted Product:**

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, Get medical advice/attention.

**Skin:** Rinse with plenty of water. If irritation occurs and persists, get medical attention.

**Inhalation:** No specific first aid measures are required.

**Ingestion:** IF SWALLOWED: Rinse mouth. Drink a cupful of milk or water.

**Most Important Symptoms/Effects:** No information available.

**Immediate medical attention and special treatment needed:** Not applicable.

**Aggravated Medical Conditions:** None known.

**Diluted Product:**

This product is intended to be used neat.

**Eyes:** See undiluted product information above.

**Skin:** See undiluted product information above.

**Inhalation:** See undiluted product information above.

**Ingestion:** See undiluted product information above.

5. FIRE-FIGHTING MEASURES

**Specific methods:** No special methods required

**Suitable extinguishing media:** The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

**Specific hazards:** Not applicable.

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Extinguishing media which must not be used for safety reasons:** No information available.

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Put on appropriate personal protective equipment (see Section 8.).

**Environmental precautions and clean-up methods:** Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin and eyes. Wash thoroughly after handling. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:** Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

**Aerosol Level (if applicable):** Not applicable

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines:**

---

Spitfire RTU Power Cleaner 2 of 5
### Ingredient(s)

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol</td>
<td>100-51-8</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Diethylene glycol monooethyl ether</td>
<td>111-90-0</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sodium xylene sulfonate</td>
<td>1300-72-7</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Alcohol ethoxylates</td>
<td>88439-46-3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Monoethanolamine</td>
<td>141-43-5</td>
<td>6 ppm (STEL)</td>
<td>3 ppm (TWA)</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>1310-58-3</td>
<td>2 mg/m³ (Ceiling)</td>
<td></td>
</tr>
</tbody>
</table>

### Undiluted Product:

**Engineering measures to reduce exposure:**
No special ventilation requirements. General room ventilation is adequate.

**Personal Protective Equipment:**

- **Eye protection:** Chemical-splash goggles.
- **Hand protection:** Chemical-resistant gloves.
- **Skin and body protection:** No special requirements under normal use conditions.
- **Respiratory protection:** No special requirements under normal use conditions.
- **Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

### Diluted Product:

This product is intended to be used neat.

**Personal Protective Equipment:**

- **Eye protection:** Chemical-splash goggles.
- **Hand protection:** Chemical-resistant gloves.
- **Skin and body protection:** No personal protective equipment required under normal use conditions.
- **Respiratory protection:** No personal protective equipment required under normal use conditions.
- **Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Physical State:** Liquid
- **Evaporation Rate:** No information available
- **Odor threshold:** No information available
- **Melting point/range:** Not determined
- **Autoignition temperature:** No information available
- **Solubility In other solvents:** No information available
- **Density:** 8.47 lbs/gal, 1.015 Kg/L
- **Bulk density:** No information available
- **Flash point:** > 200 °F, > 93.3 °C
- **Partition coefficient (n-octanol/water):** No information available
- **Elemental Phosphorus:** 0.00 % by wt.
- **pH:** 12.3
- **Flammability (Solids or Gas):** Not applicable
- **VOC:** 0.45 %

### 10. STABILITY AND REACTIVITY

- **Reactivity:** Not Applicable
- **Stability:** The product is stable
- **Hazardous decomposition products:** None reasonably foreseeable
- **Materials to avoid:** Do not mix with any other product or chemical unless specified in the use directions
- **Conditions to avoid:** No information available

### 11. TOXICOLOGICAL INFORMATION

- **Information on likely routes of exposure:**
  - Eye contact
  - Skin contact
  - Inhalation
- **Delayed, immediate, or chronic effects and symptoms from short and long-term exposure:**

_Spitfire RTU Power Cleaner_
Skin contact: May be mildly irritating to skin. Symptoms may include redness and/or transient discomfort.
Eye contact: Causes serious eye irritation. Symptoms may include pain, redness, and watering.
Ingestion: May be irritating to mouth, throat, and stomach. Symptoms may include stomach pain and nausea.
Inhalation: May be irritating to nose, throat, and respiratory tract. Symptoms may include coughing and difficulty breathing.
Sensitization: No known effects.
Target Organs (SE): None known
Target Organs (RE): None known

Numerical measures of toxicity
ATE - Oral (mg/kg): >5000
ATE - Dermal (mg/kg): >5000
ATE - Inhalatory, mists (mg/l): >20
ATE - Inhalatory, vapors (mg/l): >50

12. ECOLOGICAL INFORMATION
Ecotoxicity: No information available.
Persistence and Degradability: No information available.
Bioaccumulation: No information available.

13. DISPOSAL CONSIDERATIONS
Waste from residues / unused products: This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Dispose in compliance with all Federal, state, provincial, and local laws and regulations.
Contaminated Packaging: Do not re-use empty containers.
RCRA Hazard Class (undiluted product): Not Regulated

14. TRANSPORT INFORMATION
DOT/TDG/IMDG: Proper shipping descriptions can vary by pack size. Please refer to the Diversey HazMat Library, only available through Internet Explorer, http://nextranet.diversey.com/dot/, for up to date shipping information.
DOT (Ground) Bill of Lading Description: CLEANING, WASHING, BUFFING, OR POLISHING COMPOUNDS LIQUID
IMDG (Ocean) Bill of Lading Description: CLEANING, WASHING, BUFFING, OR POLISHING COMPOUNDS LIQUID

15. REGULATORY INFORMATION
International inventories at CAS# Level:
All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).
U.S. Regulations:
California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65.

RIGHT TO KNOW (RTK)

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>MARTK:</th>
<th>NJRTK:</th>
<th>PARTK:</th>
<th>RIRTK:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Benzyl alcohol</td>
<td>100-51-6</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>-</td>
</tr>
<tr>
<td>Diethylene glycol monoethyl ether</td>
<td>111-90-0</td>
<td>-</td>
<td>X</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sodium xylene sulfonate</td>
<td>1300-72-7</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Alcohol ethoxylates</td>
<td>68439-46-3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Monoethanolamine</td>
<td>141-43-5</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>-</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>1310-68-3</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
</tr>
</tbody>
</table>
11. MOTIVATION PROGRAMS

GSF is a company that has been built around our teams. Are success in growing as a company over our 53 years of being in business can be directly tied to our team members. We work hard every day to deliver new and innovative ways to motivate our team members and in doing so take tremendous pride in developing and retaining the best teams in the business. Motivation and employee recognition is a complete company effort starting at the top of our organization. Below are just a few examples of the company we are today.

GSF PEOPLE LOGO  https://www.youtube.com/watch?v=sXby_LiGy6Q

NEW GSF USA Website = Focus on our people www.gsf-usa.com
We tell our stories to all that want to hear. We highlight our employees at every opportunity we have to do so. Our development of our teams is a complete partnership with our customers and it's a daily exercise. It's one thing to talk about what you do for your employees and it's a whole other to execute on those words. At GSF we do just that day in and day out.
ADDISON SCHOOL DISTRICT

When Mike Christensen, Facilities Engineering Manager of the Addison School District in suburban Chicago, reached out to GSF in late 2014, he was in need of replacing the District's janitorial services company during a one-week period over the year-end school holidays. The GSF team put a transition plan in place and by the time the students returned in early 2015, our new staff was up and running.

Stretching 800,000 square feet over nine K-8 schools, the Addison School District serves 4,300 students. Since the schools are multi-use buildings — including cafeterias, nurses' offices, gymnasiaums and computer labs — GSF relies on our breadth of experience in cleaning in a variety of spaces including restaurants, medical centers, arenas and data centers.

IN THE PHOTO:

Barbara Majka, GSF Area Manager, oversees all operations for the Addison School District account. As a result of her hands-on approach and commitment to the client, she has built the 30-person crew, groomed staff to take on supervisory and management roles, and established a new set of standards of excellence.
APTAKISIC-TRIPP SCHOOL DISTRICT 102

Covering seven square miles of Lake County, Illinois, Aptakisic-Tripp School District 102 serves over 2,000 students in four schools - Tripp Elementary School, Pritchett Elementary School, Meridian Middle School and Aptakisic Junior High School.

GSF began working with the District in 1998, and in 2005 the two companies formalized their long-term partnership. Today, GSF empowers a team of 20 full-time staff to maintain all of the District's facilities — cleaning carpets, floors, windows and other surfaces to ensure each building is prepared for the next school day.

IN THE PHOTO:

Olman Castagena, Account Manager, has been working with GSF for over ten years. Under his leadership, Olman has forged an outstanding relationship with the District’s administrative team and with the local school facilities managers to elevate and maintain an exemplary level of service.
12. CONTACT INFORMATION

GSF USA, Inc.
2200 E. Devon Ave., Suite 283
Des Plaines, IL 60018
Phone: 847-913-0085
Fax: 847-913-2018
www.gsf-usa.com

Kurt A. Kuempel
General Manager
Office: 847-913-0085 ext. 412
Cell Phone: 312-720-6655
E-mail: kkuempel@gsf-usa.com