Safety Data Sheet

Number: DMN0319

Section 1 - Identification

Product Name: GG-77™ Low Foam Degreaser

A liquid alkaline detergent.

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Section 2 - Hazards Identification

Hazard categories: Skin Corrosion/Irritation 1; Eye Corrosion/Irritation 1; Acute Toxicity-Oral 4
Hazard statements: Causes severe skin burns and serious eye damage.
Harmful if swallowed.

Signal word: Danger
Pictogram: Corrosion; Exclamation

Precautionary statements

Prevention
Do not breath dusts or mists.
Do not eat, drink or smoke when using this product.
Wear protective gloves such as latex. Wear eye protection such as safety glasses with side shields.
Wash hands thoroughly after handling.

Response
IF SWALLOWED: Call a POISON CENTER if you feel unwell. Rinse mouth. Do NOT induce vomiting
IF ON SKIN (OR HAIR): Take off immediately all contaminated. Rinse skin with water. Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER for medical advice.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER.

Storage: Store locked up.
Disposal: Dispose of contents in accordance with local, regional, national, and international regulations.

Section 3 - Composition / Information on Ingredients

Ingredient	C.A.S. No.	Concentration
Water	7732-18-5	73%
Potassium hydroxide	1310-58-3	8%
Octenylsuccinic acid	18805-58-5	4%
Sodium Tripolyphosphate	7758-29-4	3%
1-Butoxy-2-propanol	5131-66-8	3%
Dipropylene glycol n-butylether	29911-28-2	3%
Monosodium phosphate	7558-80-7	2%
Anionic surfactant	N/A	1%

The remaining ingredients are not reportable as described in Appendix D to Sec. 1910.1200 Table D.1.

Section 4 - First Aid Measures

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, lifting upper and lower eyelids occasionally. Immediately call a POISON CENTER.
Skin Contact: With concentrate and strong (1:10) solutions immediately flush exposed skin with running water for 15 minutes. Remove contaminated clothing and shoes immediately. With milder solutions remove contaminated clothing and wash exposed skin with soap and water. If irritation persists, get medical attention. Wash contaminated clothing before reuse. If spilled concentrate or solutions of 1:10 or more are allowed to remain on clothing or in shoes, considerable damage to skin could occur over a period of time.
Inhalation: Move the affected person to fresh air. If irritation persists get medical attention.
Ingestion: If the product is swallowed, do NOT induce vomiting. If the affected person is conscious, give a glass of water or milk to drink. Get medical attention immediately.

Section 5 - Fire-Fighting Measures

Extinguishing Media: Any

Special Fire Fighting Procedures: None.

Unusual Fire And Explosion Hazards: None.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Small spills of a few gallons may be cleaned up with a rag or mop. Larger spills should diked to prevent spreading and then collected into clean pails or drums.

Section 7 - Handling and Storage

Empty containers retain product residue and may be hazardous. Observe all precautions given in this data sheet. Keep from freezing.

Section 8 - Exposure Controls / Personal Protection

Ingredient	C.A.S. No.	Concentration	TWA(source)	STEL	Ceiling
Potassium Hydroxide	1310-58-3	8%	2 mg/m^3(2)	None	2 mg/m^3(3,4)

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hour Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous

Ingredients not shown either have no known limits or are below reportable levels in section 3 above.

GG-77 has a wide range of applications so the user must do a hazard assessment and evaluate the need for specific personal protective equipment in each job situation.

Ventilation: Good room ventilation. Mechanical ventilation is normally not required.

Respiratory Protection: None except when spraying overhead or using in enclosed spaces. Overhead spraying requires the use a NIOSH approved respirator with an organic vapor cartridge to avoid inhaling mist. Use in enclosed, poorly ventilated spaces requires a respirator and may require self-contained breathing apparatus. If trigger sprayer mist is a problem use a nuisance-dust mask to stop airborne droplets from being inhaled.

Gloves: Use rubber or latex gloves when handling concentrate or strong dilutions. Persons with sensitive skin or who use the product for prolonged periods may wish to use rubber or latex gloves when using any dilution. Use disposable latex gloves only with dilutions of 1:20 or greater.

Eye Protection: Some uses of diluted product do not require eye protection although the use of safety glasses, especially for contact lens wearers, is always suggested. Concentrate or strong (1:10) solutions require safety glasses with side shields. Overhead spraying requires, at minimum, goggles or a face shield, or if considerable spray will fall on the user, full head and body protection. Each job should be evaluated before use.

Other Protective Equipment: An eyewash station should be located within 10 seconds travel time of concentrate use/mixing area and where solutions of 1:10 or stronger are used. Wear an apron when hand pouring concentrate. When 1:10 or stronger solutions are used, the use of aprons, boots and impervious clothing should be evaluated. Their use would be indicated if splashing of the solution is likely.

Section 9 - Physical and Chemical Properties

Appearance and Odor: A yellow-green liquid with sharp odor.	
Odor Threshold: Not Available	**Vapor Pressure:** Not Available
pH: concentrate 13.5 ± 0.5	**Vapor Density:** Not Available
Melting Point: Not Available	**Relative Density (Specific Gravity):** 1.1
Freezing Point: Not Available	**Solubility(ies): Water:** 100%
Boiling Point, Initial: 215° F.	**Partition coefficient:** Not Available
Boiling Range: Not Available	**Auto-ignition Temperature:** Not Available
Flash Point: Over 150° F. (ASTM D-56 closed cup).	**Decomposition Temperature:** Not Available
Evaporation Rate: ~1 **(Water = 1)**	**Viscosity:** Same as water.-
Flammability: (solid, gas): Not Applicable	**Volatiles Percent:** 85%
Upper Explosive Limit: None	**V.O.C.:** 2.4% - 26.9 grams/liter
Lower Explosive Limit: None	

Section 10 - Stability and Reactivity

Incompatibility: None

Hazardous Decomposition Products: None

Section 11 - Toxicological Information

LD_{50}: 5,000 mg/kg.

Primary Routes of Entry: _X_ Skin contact; ___ Skin absorption; _X_ Inhalation; _X_ Ingestion

Potential Health Effects:

Eyes - concentrate and strong solutions cause eye damage. Milder solutions cause irritation and redness.

Skin - prolonged contact with concentrate and strong solutions can cause skin damage and loss. There is little or no effect if rinsed off thoroughly right away. Milder solutions cause irritation only.
Swallowing - may result in damage to mucous membranes and gastrointestinal irritation.
Breathing - excessive inhalation of mist or spray can cause coughing and irritation of nose and throat.

Section 12 - Ecological Information

When scrubbing outdoors or where run-off will enter a storm sewer, flood the cleaned area with plenty of water to dilute and reduce the pH of the run-off. Do not use more product than necessary. Do not dispose of unusable product in the environment. Be sure to comply with any applicable regulations.

Section 13 - Disposal Considerations

Waste Disposal Method: Dispose of up to 2 gallons of concentrate in the sanitary sewer with a large amount of water. Larger amounts must be neutralized to within the pH limits of your waste water treatment system.

Section 14 - Transport Information

D.O.T. Hazard Class: POTASSIUM HYDROXIDE SOLUTION, 8, UN 1814, P.G. II

Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

Section 16 - Other Information

NFPA: H:2 F:0 I:0 **HMIS® III:** H:3 F:1 P:0 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet date 11/8/11. GHS conversion.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.