

MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

Date Prepared: 01/09/2009

Code: 1010

SECTION 1 - PRODUCT IDENTIFICATION

Distributor: PB GAST & SONS COMPANY	Emergency Phone: 616-245-0574
Address: 355 Cottage Grove SE, Grand Rapids, MI 49507	Prepared By:
Trade Name: MEAN GREEN	Product Type: All Purpose Cleaner/Degreaser

SECTION 2 - INGREDIENTS

CHEMICAL NAME/COMMON NAME	CAS NO.	WT. %(opt)	TLV(Source)	TITLE III, SECT. 313
Nonionic Surfactant	9016-45-9	3-5%	None Established	
Sodium Silicate	1344-09-8	3-5%	None Established	
Tetrasodium EDTA	64-02-8	5-10%	None Established	

SECTION 3 - PHYSICAL DATA

Boiling point (°F.)	212°F	Specific Gravity (H2O=1.0)	1.04 ± 0.005	pH	12.5 ± 0.5
Vapor Pressure (mm Hg)	Not Determined	Vapor Density (Air=1)	Not Determined		
Solubility in water	<input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble <input type="checkbox"/> Emulsifiable (or Dispersible) <input type="checkbox"/> Slight (or Partial)				
Evaporation Rate (vs. H2O)	<input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the Same	Appearance and Odor	Clear, green liquid with citrus odor		

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.)	°F.	<input checked="" type="checkbox"/> None to Boiling	Flammable Limits	N/A	Upper	Lower
Extinguishing Media	Product is non-combustible. Water Spray (Fog), Dry Chemical; CO2; or Foam may be used where product is stored.					
Special Firefighting Procedures	Do not enter confined fire-spaces without protective clothing and self-contained air supply.					
Unusual Fire and Explosion Hazards	None					

SECTION 5 - REACTIVITY DATA

Stability	Stable	Incompatibility	Acids/Oxidizers. Do not mix with chlorinated detergents (i.e. - bleach)		
Hazardous Decomposition Products	Burning may produce oxides of carbon and other substances.				

SECTION 6 - HEALTH HAZARD DATA

Primary Routes of Exposure	<input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input type="checkbox"/> Inhalation <input type="checkbox"/> Other				
Signs and Symptoms Of Overexposure (Acute)	Direct contact with eyes may cause severe irritation & pain with marked redness & swelling of conjunctiva. May injure eye tissue if not removed promptly. Prolonged or repeated skin exposure may cause moderate irritation & reddening. Ingestion may cause moderate to severe irritation of mouth, throat & stomach with nausea & vomiting.				
Signs and Symptoms of Overexposure (Chronic)	None currently known.				
Medical Conditions Aggravated by Overexposure	An existing dermatitis.				
Carcinogen or Suspect Carcinogen Ingredients	<input type="checkbox"/> NTP <input type="checkbox"/> IARC <input type="checkbox"/> OSHA <input checked="" type="checkbox"/> NONE				

SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES

Eyes	Flush eyes with water for at least 15 minutes and call a physician immediately.
Skin	Wash with large amounts of soap and water. If irritation persists, consult a physician.
Ingestion	Do NOT induce vomiting. Dilute by drinking water. Call a physician immediately.
Inhalation	Remove to fresh air. Start artificial respiration if necessary. Oxygen may be administered. Call a physician.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection	Not required under normal use conditions with ventilation sufficient to control vapors/mists below regulatory limits.				
Ventilation Requirements	Normal <input type="checkbox"/> Local Exhaust <input type="checkbox"/> Mechanical <input type="checkbox"/> Other	Eye Protection	Safety Glasses/Goggles		
Protective Gloves	Rubber/PVC	Other Protective Clothing	Impervious protective clothing appropriate to minimize contact (i.e.: boots, apron, face shield)		

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps To Be Taken If Released or Spilled	Do not touch or walk through spilled material. Stop leak if you can without risk. Dike ahead of large spills to prevent run-off. Mop, pump or take up with sand or other inert absorbent and reclaim into containers for reuse, recycle, or proper disposal.				
Waste Disposal Methods	Dispose of in an approved waste facility according to Federal, State and local regulations.				

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken In Handling and Storage	No special requirements if product is handled according to good manufacturing practices. Wash thoroughly after handling. Keep container closed when not in use. DOT Classification: Cleaning, Scouring or Washing Compounds, N.O.I. Class 55				
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DOT Class

The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

HMIS HAZARD RATING

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	X

0 - LEAST
1 - SLIGHT
2 - MODERATE
3 - HIGH
4 - EXTREME