

REINHART INSTITUTIONAL FOODS INC.
1500 St. James Street
La Crosse, WI 54602-2859

MSDS

Material Safety Data Sheet

(Complies with 29 CFR 1910.1200)

Premium Degreaser

Page 1 of 1

SECTION I

Product (Trade) Name - PREMIUM DEGREASER
Manufacturer's Name - ASG/ServiceMaster Co. LP.
Address - 2300 Warrenville Rd., Downers Grove, IL 60515
Emergency Telephone No. - 800/535-5053
DOT Shipping Name - Corrosive Liquid, basic, inorganic, n.o.s., 8, UN3266, pg II
DOT Hazard Class - Corrosive liquid (8)
DOT ID Number - UN3266

SECTION II -- HAZARDOUS INGREDIENTS

Ingredient	C.A.S. No.	Wt. by %	OSHA PEL	TLV-TWA ACGIH	Other Limit	Listed as Carcinogenic by IARC, NTP, OSHA, ACGIH
Potassium hydroxide	1310-58-3	5 - 10	2 C mg/m ³	2 C mg/m ³	N/E	No
Sodium Metasilicate, Anhydrous	6834-92-0	1 - 5	N/E	N/E	N/E	NO
2-Butoxyethanol	111-76-2	1 - 5	25ppm(skin)	25ppm(skin)	N/E	NO
EDTA Salt	60-00-4	1 - 6	N/E	N/E	N/E	NO
Alcohol Ethoxylate	68439-46-3	1 - 5	N/E	N/E	N/E	NO
Anionic Surfactant	25155-30-0	1 - 5	N/E	N/E	N/E	NO

In accordance with OSHA's Hazard Communication Standard, ingredients listed in this section are those identified as being hazardous and present at concentrations greater than 1%, or greater than 0.1% if the substance is a listed carcinogen. Information concerning ingredients identified as "Proprietary" will be made available as provided in 29 CFR 1910.1200(1).

SECTION III -- PHYSICAL DATA

Boiling Point:	N/D	Specific Gravity (H ₂ O=1):	1.04
Vapor Pressure (mm hg):	N/D	Percent Volatile by Weight:	80-90%
Vapor Density (Air=1):	N/D	Evaporation Rate:	>1
Solubility in Water:	Complete	(Water=1)	
Appearance and Odor:	Emerald Green clear liquid with Mint odor.		
pH of Concentrate:	13.5-14.5	pH Diluted for Use:	11.5-12.5

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash Point (Tag. Closed Tester): >212 F
Flammable Limits: LEL N/A UEL N/A
Extinguishing Media: Not combustible. Use media appropriate to material actually involved in fire.
Special Fire Fighting Procedures: Self contained breathing apparatus and protective clothing should always be worn in fighting fires involving chemicals.
Unusual Fire and Explosion Hazards: N/A

SECTION V -- HEALTH HAZARD DATA

Primary Route(s) of Exposure: Contact with skin.
Threshold Limit Value: N/D for mixture See Section II for TLV of hazardous ingredients.
Effects of Overexposure:
- **Acute:** By Inhalation: Of mist or spray - irritation of nose and throat. May damage mucous membranes.
By Eye Contact: Severe eye irritation or chemical burns. May cause chemical burns.
By Ingestion: Diarrhea, vomiting, cramps, irritation of mucous membranes. May cause chemical burns.
By Skin Contact: Severe irritation may develop, possible chemical burns.

- **Chronic:** None known
- **Medical Conditions Generally Aggravated by Exposure:** Some pre-existing skin disorders.
Emergency and First Aid Procedures:
For Inhalation: Move to fresh air. If irritation persists, get medical attention.
For Eye Contact: Flush with cool water for 15 minutes, lifting upper and lower eye lids occasionally to ensure flushing of entire eye surface. Get medical attention.
For Skin Contact: Flush exposed area with cool water for at least 15 minutes. Remove contaminated clothing. Get medical attention.
For Ingestion: Drink several glasses of water or milk; follow with citrus juice. DO NOT induce vomiting. Get medical attention.

SECTION VI -- REACTIVITY DATA

Stability: Stable
Conditions to Avoid: None known.
Incompatibility (Materials to Avoid): Strong acids.
Hazardous Decomposition Products: Contact with fire may liberate carbon dioxide, carbon monoxide and other toxic fumes.
Hazardous Polymerization: Will not occur.

SECTION VII -- SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled: Dike spill area and pump to recovery containers or poly-lined waste drums. Flush residues away with water into sanitary sewer.
Waste Disposal Method: Small amounts may be flushed into sanitary sewer. Large quantities should be disposed of as hazardous waste.
Hazardous Waste Classification: D002 (corrosive).

SECTION VIII -- SPECIAL PROTECTION INFORMATION

For Handling Product as Supplied:
Respiratory Protection - Not normally required. If exposure level is exceeded, use NIOSH approved chemical cartridge respirator equipped for acid gas.
Ventilation - Use in well ventilated area or provide sufficient local exhaust to maintain exposure below TLVs (see Section II).
Protective Gloves - NBR or rubber.
Eye Protection - Chemical splash goggles
Other Protective Equipment - Apron or impervious clothing as needed to prevent skin contact.

For Handling Product After Dilution For Use:
Respiratory Protection - N/A (same as concentrate)
Ventilation - N/A (same as concentrate)
Protective Gloves - N/A (same as concentrate)
Eye Protection - N/A (same as concentrate)
Other Protective Equipment - N/A (same as concentrate)

SECTION IX -- SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Store in a cool, dry location away from acids.
Other precautions: None

SECTION X -- ADDITIONAL INFORMATION

N/A

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