

MATERIAL SAFETY DATA SHEET

NFPA RATING: Health = 3 Flammability = 0 Reactivity = 0
HMIS RATING: Health = 3 Flammability = 0 Physical Hazard = 0

SECTION I – IDENTITY AND MANUFACTURER'S INFORMATION (538N-93C)**Manufacturer's Name:** HILLYARD INDUSTRIES**Product Name:** SUPER GREASE BUSTER**Address:** 302 North Fourth Street
St. Joseph, MO 64501**Date Prepared:** July 12, 2013 (version 2)**Prepared by:** Regulatory Affairs Department**Emergency Telephone No.:** (800) 424-9300 (Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals.)**Other information calls:** (816) 233-1321 (Ext. 8285)<http://www.hillyard.com>***SECTION II – INGREDIENTS/IDENTITY INFORMATION****Components****(Specific Chemical Identity:**

Common Name(s)	CAS#	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
*Sodium metasilicate (1)	6834-92-0	N/E	N/E	2 mg/M ³	1-3
Water	7732-18-5	none	none	N/A	---
Complex Blend of Surfactants	Unknown to Hillyard	N/E	N/E	N/A	---
Nonionic Primary Alcohol Alkoxyate	Unknown to Hillyard	N/E	N/E	N/A	---

(1) Exposure may be elevated for Sodium hydroxide per OSHA: PEL = 2 mg/M³ or TLV = 2 mg/M³.
 N/A=Not Applicable N/E=Not Established

SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 212°F **Specific Gravity (H₂O = 1):** 25°C = 1.04 **Density=** 8.66 lbs/gl
Vapor Pressure (mm Hg.): 17.5 **Percent Volatile by Volume (%):** 95 – 96%
Vapor Density (AIR = 1): 0.6 **Evaporation Rate (ethyl ether = 1):** less than 1
Solubility in Water: appreciable **Appearance and Odor:** clear, odorless liquid
pH (concentrate) = 12.5 - 13.5

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash point: none to boiling (T.C.C.) **Flammable Limits:** LEL = N/A UEL = N/A
Extinguishing Media: Water, carbon dioxide, dry chemical or foam
Special Fire Fighting Procedures: N/A
Unusual Fire and Explosion Hazards: N/A

SECTION V – PHYSICAL HAZARDS

Stability: Stable **Conditions to Avoid:** Do not mix with anionic cleaners.
Incompatibility (Materials to Avoid): Oxidizing materials
Hazardous Decomposition Products or Byproducts: Carbon dioxide, carbon monoxide, ammonia, nitrous oxide (trace)
Hazardous Polymerization: Will not occur **Conditions to Avoid:** N/A

SECTION VI – HEALTH HAZARD DATA**Routes of entry:** Inhalation? Yes Skin? Yes Ingestion? Yes**HEALTH HAZARDS (1. Acute and 2. Chronic)**

1. Direct contact with concentrate in eyes can cause severe irritation and damage.
2. Prolonged and repeated exposure to the skin may produce irritation or damage.

Chemical listed as Carcinogen or Potential Carcinogen:**National Toxicology Program =** No **I.A.R.C. Monographs =** No **OSHA =** No

This product has no carcinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater than or equal to 0.1%.

Signs and Symptoms of Exposure: Concentrated product may produce skin and eye burns. Ingestion may produce burns of the mouth, throat, esophagus and stomach.

SECTION VI – HEALTH HAZARD DATA cont.

Medical Conditions Generally Aggravated by Exposure: Skin problems such as industrial dermatitis.

Emergency and First Aid Procedures: In case of contact immediately flush eyes or skin with plenty of water for at least 15 minutes; remove contact lenses and again flush eyes with water; GET MEDICAL ATTENTION. Remove all contaminated clothing; wash before reuse. If swallowed - do not induce vomiting; immediately give large amounts of water and CALL A PHYSICIAN, hospital emergency room or poison control center. Inhalation - remove victim to fresh air; if respiratory tract remains irritated, CALL A PHYSICIAN.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Absorb with floor dry or similar inert material. Sweep or scrape up and put in appropriate container. Rinse spill area thoroughly with water. Use appropriate protective equipment.

Waste Disposal Method: Disposal is regulated by the Resource Conservation Recovery Act; concentrate is corrosive per EPA Hazardous Waste Classification. Disposal of regulated quantities should be neutralized at a permitted facility in accordance with all federal, state and local requirements.

Precautions To Be Taken In Handling And Storing: Keep container closed when not in use. Container disposal: Triple rinse (or equivalent) then offer clean, dry container for recycling or reconditioning. Waste from normal use may be sewered to a public-owned treatment works in compliance with applicable federal, state and local requirements.

Other Precautions: Do not use with fog mist or fine droplet sprayer without respiratory protection. This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 313 of SARA Title III Emergency Planning and Community Right to Know Act of 1986 and 40 CFR Part 372.

SECTION VIII – CONTROL MEASURES

Respiratory Protection (Specify Type): Ventilate to keep air concentration below TLV on Sodium metasilicate.

Ventilation:

Local Exhaust = Recommended **Mechanical (General)** = Recommended **Special** = N/A **Other** = N/A

Protective Gloves: Impervious gloves when working with concentrate

Eye Protection: Chemical safety goggles when working with concentrate

Other Protective Clothing or Equipment: Impervious to water and alkaline liquid where concentrate is a concern.

Work / Hygienic Practices: Wash thoroughly after handling.

SECTION IX – TRANSPORTATION INFORMATION

Applicable regulations: 49 CFR = no; IMCO = no; IATA = no

Proper shipping name: Cleaning compound

UN No.: not applicable **Limited Qty.:** not applicable **Hazard Class:** not applicable

Labels required: not required **DOT Exception:** not applicable

EPA Hazardous waste number / code: not listed

Hazardous waste characteristics:

Ignitability = not applicable; **Corrosivity** = yes; **Reactivity** = not applicable

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Version 2, * Denotes revisions since last published MSDS. Supersedes March 11, 2011