

MATERIAL SAFETY DATA SHEET**NFPA RATING:** Health = 3 Flammability = 0 Reactivity = 0**HMIS RATING:** Health = 3 Flammability = 0 Reactivity = 0**SECTION I -- IDENTITY AND MANUFACTURER'S INFORMATION** (1127A)**Manufacturer's Name:** HILLYARD INDUSTRIES**Product Name:** SALVATION**Address:** 302 North Fourth Street
St. Joseph, MO 64501**Date Prepared:** January 31, 2007**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	%
Ethanolamine (1)	41-43-5	3 ppm	3 ppm	N/A	7-12
Sodium metasilicate (2)	6834-92-0	2 mg/M ³	2 mg/M ³	N/A	4-9
Water	7732-18-5	none	none	N/A	---

(1) Regulated by OSHA and the following states: CT, FL, IL, LA, MA, NJ, PA, RI

(2) Regulated by OSHA on particulate dust

SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 220°F	Specific Gravity (H₂O = 1): 25°C = 1.05 & 39°C = 1.05
Vapor Pressure (mm Hg.): 16.9	Percent Volatile by Volume (%): 86.61
Vapor Density (AIR = 1): 0.79	Evaporation Rate (ethyl ether = 1): slower than 1
Solubility in Water: appreciable	Appearance and Odor: clear liquid; non-objectionable odor

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, dry chemical, alcohol foam or carbon dioxide**Special Fire Fighting Procedures:** N/A**Unusual Fire and Explosion Hazards:** N/A**SECTION V -- PHYSICAL HAZARDS****Stability:** Stable **Conditions to Avoid:** N/A**Incompatibility (Materials to Avoid):** Oxidizing materials and strong acids**Hazardous Decomposition Products or Byproducts:** Produces normal products of combustion when exposed to fire.**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 or damage.

2. Prolonged inhalation of spray may result in varying degrees of irritation. Prolonged or repeated overexposure 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 or equal to 0.1%.

SECTION VI -- HEALTH HAZARD DATA cont.

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

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 while removing contaminated clothing and shoes. Get medical attention. Wash clothing and thoroughly clean contaminated shoes 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 and 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 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 ethanolamine or 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: DOT = 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 characteristic:

Ignitability = Not applicable; **Corrosivity =** Not applicable; **Reactivity =** Not applicable

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The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. All information contained herein is presented in good faith and is believed to be appropriate and accurate.

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