

# MATERIAL SAFETY DATA SHEET

## SUPERIOR DESCALER

DATE REVISED: January 1, 2014

**Product Name:** Superior No. Descaler

**Manufacturer:** Superior Flux & Mfg. Co. 6615 Parkland Blvd. Cleveland, OH 44139

**Emergency Phone Number:** 1-800-424-9300 (CHEMTREC)

**Other Information Calls:** (440) 349-3000

**To the Purchaser:** This MSDS contains important environmental, health, and toxicology information for your employees who have ordered this product. Please be sure this information is given to them. If you resell this product, a copy of the MSDS should be given to the buyer.

**H.M.I.S. INFORMATION: HEALTH = 3      FLAMMABILITY = 0      REACTIVITY = 0**

### SECTION I - IDENTIFICATION

**Common Name:** Descaler

**Chemical Family:** Descaler

**CAS Number:** NA

**Chemical Name:** NA

**Formula:** See below

### SECTION II - COMPOSITION INFORMATION

Components	CAS Number	%	OSHA PEL
Glycolic Acid	79-14-1	>50	NA

Unlisted percentages are non-hazardous stabilizers, and water. None of the materials in this product are listed in NTP, IARC, or OSHA as carcinogens.

### SECTION III - HEALTH HAZARDS

**Primary Routes of Entry:** Fume inhalation, ingestion, skin, and eyes.

**Signs and Symptoms of Exposure:**

1) **Acute Effects:** Irritation of eye, skin, mucous membranes, and gastrointestinal tract

2) **Chronic Effects:** No specific information available

**Medical Conditions Generally Aggravated by Overexposure:** None presently known

**Chemical Listed as a Carcinogen or Potential Carcinogen:** None

**OSHA Permissible Exposure Limit (PEL):** 3 mg/m<sup>3</sup>

**ACGIH Threshold Limit Value (TLV):** 3 mg/m<sup>3</sup>

### SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

**Eyes:** Flush with plenty of water for 15 minutes. Call a physician.

**Skin:** Remove contaminated clothing and wash thoroughly with water.

**Inhalation:** Remove to fresh air. Call physician if conditions persist.

**Ingestion:** Give two glasses of water or milk. Do not induce vomiting. Obtain medical attention immediately.

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## SECTION V - FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** None

**Flammable Limits:** NA

**Extinguishing Media:** Apply foam, CO<sub>2</sub>, water

**Auto Ignition Temperature:** NA

**Special Fire Fighting Procedures:** Use water in a fine mist or spray

**Unusual Fire and Explosion Hazards:** None known

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## SECTION VI - ACCIDENTAL RELEASE MEASURES

**Steps to be taken in case material is spilled:** Soak up with absorbent, wash residue with soap and water.

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## SECTION VII - HANDLING AND STORAGE

**Storage Requirements:** Keep away from open flames or heat source.

**Handling Precautions:** Normal precautions when handling chemicals.

**Other Precautions:** Avoid contact with eyes and skin.

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## SECTION VIII - CONTROL MEASURES

**Respiratory Protection (TYPE):** NIOSH approved

**Ventilation:** Yes

**Mechanical (General):** NA

**Local Exhaust:** Yes

**Eye Protection:** Chemical mono-goggles and/or full face shield in all possible splash situations.

**Protective Gloves:** Recommended, NIOSH approved

**Other Protective Clothing or Equipment:** Chemical impervious neoprene apron where potential splashing exists. Avoid unprotected skin and eye contact exposure. Use only with good ventilation.

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## SECTION IX - PHYSICAL AND CHEMICAL CHARACTERISTICS

**Boiling Point:** 100°C/212°F

**Specific Gravity (Water = 1):** 1.32

**Vapor Pressure (mm Hg):** NA

**Percent Volatile by Volume:** 95%

**Vapor Density (Air = 1):** NA

**Evaporation Rate (Butyl Acetate = 1):** NA

**Melting Point:** NA

**Solubility in Water:** Complete

**Appearance and Odor:** Clear to amber liquid, ammonia odor

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## SECTION X - STABILITY AND REACTIVITY

**Stability:** Product is stable

**(Conditions to Avoid):** NA

**Incompatibility:** Strong oxidizing agent and highly alkaline materials

**Hazardous Decomposition Products:** Carbon dioxide

**Hazardous Polymerization:** Will not occur

**(Conditions to Avoid):** Contact with eyes and skin

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## SECTION XI - TOXICOLOGICAL INFORMATION

### Acute Toxicity Data

- 1) **Oral:** LD-50 (rat): Not available
- 2) **Inhalation:** LC-50 (rat): Not available
- 3) **Dermal:** LD-50 (rabbit): Not available
- 4) **Skin Irritation:** (rabbit): Not available

### Chronic Toxicity Data

- 1) **Repeated Skin Application:** (rat): Not available
- 2) **Eye Irritation:** (rabbit): Not available

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## SECTION XII - ECOLOGICAL INFORMATION

**This material has not been tested for environmental effects.**

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## SECTION XIII - DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of in accordance with EPA regulations

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## SECTION XIV- TRANSPORTATION

**D.O.T. Proper Shipping Name:** Corrosive liquid, acidic, organic, NOS (contains glycolic acid)

**Hazard Class:** 8

**Identification Number:** UN3265

**Packing Group:** II

**Type D.O.T Label Required Information:** Corrosive

**Waste Disposal Method:** Dispose in accordance with EPA regulations.

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## SECTION XV - REGULATORY INFORMATION

**OSHA Hazardous Chemical According to 29 CFR 1910.1200:** NA

**Carcinogenicity Classification: (Components Present at 0.1% or More)**

**International Agency for Research on Cancer (IARC):** NA

**American Conference of Governmental Industrial Hygienists (ACGIH):** NA

**National Toxicology Program (NTP):** NA

**Occupational Safety and Health Administration (OSHA):** NA

**All Components of this Product are Listed on the U.S. Toxic Substances Control Act Inventory or Otherwise Comply with TSCA Pre-manufacture Notification Requirements.**

**This product is RoHS compliant.**

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## SECTION XVI - OTHER INFORMATION

**DISCLAIMER:** Judgments as to the suitability of information herein or the purchaser's purposes are necessarily the purchaser's responsibility. Reasonable care has been taken in the preparation of this material, but there are NO WARRANTIES, NO REPRESENTATIONS AND NO RESPONSIBILITY AS TO THE ACCURACY OR THE SUITABILITY OF THIS INFORMATION FOR ANY PURCHASER'S USE OR FOR ANY CONSEQUENCE TO USE.

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