

MATERIAL SAFETY DATA SHEET

SUPERIOR DESCALER

DATE REVISED: January 1, 2011

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 = 1 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/m³

ACGIH Threshold Limit Value (TLV): 3 mg/m³

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.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flash Point: None

Flammable Limits: NA

Extinguishing Media: Apply foam, CO₂, water

Auto Ignition Temperature: NA

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

Unusual Fire and Explosion Hazards: None known

SECTION VI - ACCIDENTAL RELEASE MEASURES

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

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.

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.

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

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

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

SECTION XII - ECOLOGICAL INFORMATION

This material has not been tested for environmental effects.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with EPA regulations

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.

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.

SECTION XVI - OTHER INFORMATION

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