



Safety Data Sheet

Better Chemistry. Better Business

DESCALER XL

Revised: 5/11/23

1 IDENTIFICATION

Product Name: DESCALER XL

Product Code :2552009

Recommended use of the chemical and restrictions on use:Industrial applications

Hubbard-Hall Inc.

563 South Leonard Street
Waterbury, CT 06708

Telephone: 203-756-5521

Fax number: 203-756-9017

Emergency Phone Number

CHEMTREC: 1 (800) 424-9300

International: 1 (703) 527-3887

2 HAZARDS IDENTIFICATION



Hazard Category: Eye Damage/Irritation Hazard Category 1
Skin Corrosion/Irritation Hazard Category 1B
Corrosive to Metals Hazard Category 1

Hazard Statements: Causes severe skin burns and eye damage.
May be corrosive to metals.

Prevention: Wear rubber gloves, goggles and chemical protective clothing.
Wash skin thoroughly after handling.
Keep only in original container.

Response: If in eyes: Wash cautiously with water for several minutes. Remove contact lenses if present and easy to do Continue rinsing.
Immediately call poison center or doctor and explain the type of exposure to the chemical(s) and provide the name of the chemical(s).
If on skin: Wash with plenty of water.
Specific treatment - refer to poison center or doctor for advice.
If eye irritation persists: Get medical attention .
Take off immediately all contaminated clothing and wash it before reuse.
Absorb spillage to prevent material damage.

Storage: Store in corrosive resistant high density polyethylene container.

Disposal: Dispose of contents/container in accordance with local, regional, national, or international regulations.

Components with Unknown Acute Toxicity Dermal= 10% Inhalation = 47%

3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Methane Sulfonic Acid	-	75-75-2	18-20%
Glycolic Acid	-	79-14-1	~20
Organic Acid Salts	-	Proprietary	17-19%

4 FIRST AID

After Inhalation:

If inhaled: Remove person to fresh air and keep comfortable for breathing. Get medical attention.

Administer artificial respiration if breathing has stopped.

After Skin Contact:

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

After Eye Contact:

Immediately flush the eyes with large quantities of running water for 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eyelids with water. DO NOT attempt to neutralize with chemical agents. Obtain medical attention as soon as possible. Oils or ointments should not be used. Continue rinsing for an additional 15 minutes if the physician is not available.

After Ingestion:

If swallowed: Rinse mouth. Do NOT induce vomiting.

If swallowed: Immediately call poison center or doctor.

Never give anything by mouth to an unconscious person.

Most Important Symptoms/Effects

Inhalation:

Inhalation of dust may irritate nose, throat and/or lungs.

Eye:

Severe eye and or skin irritation or burns.

Skin:

Causes severe skin burns

Ingestion:

Ingestion: May cause irritation and burning of the lips, mouth and throat,

Chronic:

Repeated or prolonged exposure to and absorption of the fluoride ion can cause kidney damage as well as fluorosis (brittle bones, calcified ligaments and anemia).

5 FIRE FIGHTING MEASURES

Suitable and Unsuitable extinguishing media:

Will not burn or support combustion. Use extinguishing media appropriate for surrounding fire, such as water spray, dry chemical, foam or carbon dioxide.

Special protective equipment and precautions for firefighter Wear chemical resistant protective equipment and self contained breathing apparatus (SCBA).

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, & Emergency Proc Wear chemical goggle, gloves and face shield and protective clothing.

Methods and Materials for containment & cleaning up: Provide sufficient ventilation.

If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

7 HANDLING AND STORAGE

Precautions for safe handling: Wear rubber gloves, goggles and chemical protective clothing.
Do not get in eyes, or on skin, or on clothing.
Avoid breathing dust, fumes, gas, mist, vapors and sprays.
Wash hands thoroughly after handling.

Conditions for safe storage, inc any incompatibilities: Store in cool dry place.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Methane Sulfonic acid	Not established		
Glycolic Acid	Not established		
Organic Acid Salts	Not established		

ACGIH - American Control of Governmental Hygenists
OSHA - Occupational Safety and Health Administration

Ventilation: Use local exhaust to keep personal exposures below the OSHA Permissible Exposure Limit (s) (PEL) or the ACGIH threshold Limit Values (TLV)Time Weight Average (TWA).

Other: Safety shower in work area.

Protective Gloves: Butyl or neoprene gloves

Eye Protection: Wear chemical safety goggles with face shield.

Other Protective Equipment: Wear chemical resistant boots.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber Liquid

Odor: Detergent

Odor Threshold: N/A

PH: 0.0

Melting Point/Freezing Point: NA

Initial Boiling Point and Boiling Range: NA

Flash Point:	NA
Evaporation Rate:	N/A
Flammability (solid, gas):	NON-FLAMMABLE
Upper/Lower flammability or explosive limits:	non-flammable
Vapor Pressure:	NA
Vapor Density:	NA
Relative Density:	1.168
Solubility (ies):	100%
Partition Coefficient; n-octanol/water:	NA
Auto-ignition Temperature:	N/A
Decomposition Temperature:	NA
Viscosity:	NA

10 STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
Conditions to Avoid:	DO NOT store dry product where exposed to moist conditions.
Incompatible Materials:	Reactive or incompatible with the following materials: oxidizing materials, acids and alkalis. DO NOT MIX with dry or concentrated solutions of this product with concentrated solutions of bleach, ammonia cleaners or similar products.
Hazardous Decomposition Products:	Possibility of decomposition if heated and in contact with sources of ignition. Releases of toxic gases and vapors (Sulfur oxides (SO ₂ ,SO ₃)).

11 TOXICOLOGICAL INFORMATION

Oral Administration:	Methane Sulfonic acid, LD50(Rat)-461 mg/kg
Oral Administration:	Glycolic Acid(70% solution),LD50(Rat)-2040 mg/kg
Oral Administration:	Organic acid salts LD50(Rat)-678.3 mg/kg
Inhalation:	Glycolic Acid-LC50(Rat)-3.6 mg/L 4 h
Dermal administration:	Organic acid salts LD50(Rat)-2109.4 mg/kg
Dermal administration:	Glycolic acid LD50(human) >5000 mg/kg
Cancer Hazard:	Not listed by IARC, NTP, OSHA, ACGIH
Routes of Exposure	Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Fish, <i>Oncorhynchus mykiss</i>	no data available
<i>Daphnia Magna</i> ,	Organic acid salts LC50 176.8 mg/kg 48 h
<i>Daphnia Magna</i> ,	Glycolic Acid.EC50-48 h-141 mg/L
Abiotic degradability:	No data available
Bioaccumulation potential:	No data available
Water result:	Disperses in water.
Soil/Sediment Result:	No data available

13 DISPOSAL CONSIDERATION

Dispose of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

UN Number: 1760
UN Proper Shipping Name: CORROSIVE LIQUIDS,NOS(GLYCOLIC ACID,ACID SALTS)
Transport Hazard Class (es): 8
Packing Group: II
ERG: 154

15 REGULATORY INFORMATION

HMIS: Health: 3 Flammability: 0 Reactivity: 1

Sara Hazard Classification The chemicals in this product are not subject to SARA Title III , Section 313 Reporting Requirements.
Proposition 65 No Proposition 65 listed components in this formula
TSCA Inventory Status All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements .

16 OTHER INFORMATION

Disclaimer: The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.