

Material Safety Data Sheet

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200

NFPA Fire: 0
Health: 2
Reactivity: 0

SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION

Distributor: K-CHEM, INC, PO Box 530632, Birmingham AL 35253

Product Name: Scaleaway
Chemical Family: Aqueous solution containing organic acid.

Product Number: F2290
Package Size: 32 fl. oz.

EPA Reg. No: none Emergency Telephone No. 620-792-1711
Preparer: Bill Dayton Date: 04/01/02 Signature:

SECTION II - HAZARDOUS INGREDIENTS IDENTITY INFORMATION

Hazardous Components	CAS#	OSHA TWA	ACGIH TWA	Percent
Hydroxyacetic Acid	79-14-1	NE	NE	<20
Nonyl phenoxy poly (ethyleneoxy) ethanol	9016-45-9	NE	NE	<5
*Water	7732-18-5			

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

No Physical Hazards	<input checked="" type="checkbox"/>	Flammable Gas	<input type="checkbox"/>	Flammable Liquid/Solid	<input type="checkbox"/>	Water Reactive	<input type="checkbox"/>
Combustible	<input type="checkbox"/>	Flammable Aerosol	<input type="checkbox"/>	Pyrophoric	<input type="checkbox"/>	Oxidizer	<input type="checkbox"/>
Compressed Gas	<input type="checkbox"/>	Explosive	<input type="checkbox"/>	Unstable - Reactive:	<input type="checkbox"/>	Organic Peroxide	<input type="checkbox"/>

Boiling Point, °F: 212 F Solubility in Water: soluble Evaporation Rate: like water
Vapor Pressure: unknown Specific Gravity (water =1): 1.04 pH: 2
Vapor Density: >1 %Volatiles by Weight: 90

Appearance and Odor: Viscous blue liquid with fresh green floral fragrance.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method): none Flammable Limits: LEL: n/a UEL: n/a
Extinguishing Media: n/a

Special Fire: none
Fighting Procedures:
Unusual Fire and Explosion Hazards: none

SECTION V - REACTIVITY DATA

Stability: Unstable Conditions to Avoid: None
Stable

Incompatibility: Bleach. Mix only with water.
(Materials to Avoid)

Hazardous Decomposition: none
Products or Byproducts:

Hazardous Polymerization: May Occur: Will Not Occur:
Conditions to Avoid: n/a

Comments:

*Added to comply with the Pennsylvania Worker Right to Know Act of 1984 and the New Jersey Worker & Community Right to Know Act of 1983.

SECTION VI - HEALTH HAZARD DATARoute (s) of entry: Inhalation Skin: Eye: Ingestion:

No Health Hazard	<input type="checkbox"/>	Reproductive toxin	<input type="checkbox"/>	Sensitizer	<input type="checkbox"/>
Toxic	<input type="checkbox"/>	Irritant	<input checked="" type="checkbox"/>	Carcinogen	<input type="checkbox"/>
Highly Toxic	<input type="checkbox"/>	Corrosive	<input checked="" type="checkbox"/>	See Target Organs	<input checked="" type="checkbox"/>

TARGET ORGANS

Lungs	<input type="checkbox"/>	Eyes	<input checked="" type="checkbox"/>	Blood	<input type="checkbox"/>	Teratogen	<input type="checkbox"/>	Mucous Membranes	<input checked="" type="checkbox"/>
Heart	<input type="checkbox"/>	Skin	<input checked="" type="checkbox"/>	Liver	<input type="checkbox"/>	Central Nervous System	<input type="checkbox"/>	Autonomic Nervous System	<input type="checkbox"/>
Kidney	<input type="checkbox"/>	Prostate	<input type="checkbox"/>	Mutagen	<input type="checkbox"/>	Cardiovascular System	<input type="checkbox"/>	Respiratory System	<input checked="" type="checkbox"/>

Carcinogenicity: None Known NTP: IARC: OSHA Regulated

Medical Conditions Generally Aggravated by Exposure:

None known

Signs and Symptoms of Exposure:

Corrosive. Causes eye damage and skin irritation. May cause burns. Harmful if swallowed. Causes respiratory tract irritation.

Emergency and First Aid Procedures:

In case of contact with eyes or skin, immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. If swallowed, get medical attention. If inhaled, remove victim to fresh air. Get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled:

Small amount: Mop up, rinse with water. Large amount: Mop up, absorb with inert, dike or turn container over as applicable.

Waste Disposal Method:

Single unit: Discard in trash. Large amount: Dispose in accordance with Local, State and Federal regulations.

Potential EPA Hazardous Waste Code(s): D002

Steps to be taken in handling and storage:

Protect from freezing. Store at 40 - 90 F. Read and follow label use directions. Keep out of reach of children.

SECTION VIII - CONTROL MEASURES

Respiratory Protection(Specify Type):

None required

Ventilation: Local Exhaust: Special:
Mechanical: None required

Protective Gloves: Recommended Eye Protection: Required

Other Protective Clothing and Equipment:

Protective apron optional.

SECTION IX - SHIPPING INFORMATION

DOT Proper Shipping Name and Number:

Not regulated

NE = Not Established

N/A = Not Applicable