

****Material Safety Data Sheet****
Emergency Phone # : 1-800-424-9300
Information Phone # : (715) 723-4915

High Sierra Chemical
P O Box 822
Chippewa Falls, WI 54729

Latest Revision Date...10/04/02
Print Date.....03/06/03

Safe Scale

SECTION 1 PRODUCT IDENTIFICATION

Product Name or Number..... Safe Scale
Trade Name or Chemical Name..... Safe Scale
Synonyms..... None
Formula..... Proprietary
Chemical Family..... Acid Cleaner
Molecular Weight..... N/A
NFPA..... See Section 8
HMIS Rating..... See Section 8

SECTION 2 HAZARDOUS INGREDIENTS / HAZARD DATA

Chemical Name(s)	CAS #	% WT	TLV-ACGIH	PEL-OSHA	SEC.313	NTP	IARC	PROP.65
Hydrochloric Acid	7647-01-0	<15	5 ppm	5 ppm	No	No	No	No

SECTION 3 REGULATORY DATA

NTP..... National Toxicology Program
IARC..... International Agency For Research on Cancer
This product does not contain ingredients on the list of
Proposition 65.
Proposition 65..... State of California safe drinking water and toxic enforcement act
of 1986
Section 313 Sara Title III..... The chemical(s) marked with a “yes” on section 313 are subject
to the reporting requirements of this section

SECTION 4 PHYSICAL DATA

Boiling/Melting Point..... $\geq 212^{\circ}$ F
pH..... <2.00
Percent Volatile by Weight (%)..... 76%
Specific Gravity or Bulk Density..... 1.072
Solubility in Water..... Soluble
Appearance..... Clear Red Liquid
Odor..... Acidic

SECTION 5 FIRE AND EXPLOSION HAZARD DATA

Flash Point ° F (Test Method).....	N/A
Autoignition Temperature.....	Non Flammable
Flammability Limits in Air (% V).....	None
Extinguishing Media.....	Foam, Water, Dry Chemical
Special Fire Fighting Procedures.....	Wear self contained Breathing Apparatus and full protective clothing. Spray with water to minimize vapor and to cool equipment exposed to heat.
Unusual Fire and Explosion Hazards...	It can cause spontaneous ignition of some materials. Contact with common metals may generate hydrogen gas which can form flammable mixture with air.

SECTION 6 HEALTH HAZARD DATA * EFFECTS OF OVEREXPOSURE

Threshold Limit Value.....	See Section 2
SIGNS OF OVEREXPOSURE:	
Eyes.....	Will cause severe burns.
Skin.....	Will cause severe burns and irritation.
Inhalation.....	Airborne concentrations of dust mist, or spray may cause damage to the upper respiratory tract and the lung tissue.
Ingestion.....	If swallowed, can cause severe burns of mucous membranes of the mouth, throat, and stomach.
Chronic.....	Repeated or prolonged exposure may cause dermatitis and conjunctivitis, chronic bronchitis, gastritis, damage to the liver and other organs, even death.

SECTION 7 EMERGENCY AND FIRST AID PROCEDURES

Inhalation.....	Remove victim to fresh air. If breathing is difficult, assist breathing. Seek medical help.
Eye Contact.....	Immediately flush eyes with large quantities of water. Remove any contact lenses and continue to flush with water for at least 15 minutes. Contact a physician.
Skin Contact.....	Immediately wash skin with large quantities of water for at least 15 minutes. Remove contaminated clothing and footwear. Get medical attention. Wash clothing before reuse.
Ingestion.....	Never give anything by mouth to an unconscious person. Do not induce vomiting. Give large quantities of water. Get medical attention immediately.

SECTION 8 HMIS RATING SYSTEM

NFPA



HMIS RATING

Health Hazard.....	3
Fire Hazard.....	0
Reactivity.....	2
Personal Protection.....	See Section 10

SECTION 9**REACTIVITY DATA**

Product Stability.....	Stable under normal condition
Conditions to Avoid.....	
Chemical Incompatibility.....	Avoid contact with alkalis, metals, oxidizers, reducing agents, chlorinated product cyanides, permanganate, sodium, ethylene diamine, fluorine acids such as sulfuric or chlorosulfonic acid.
Hazardous Decomposition Products.....	May liberate hydrogen chloride.
Hazardous Polymerization.....	Will not occur
Conditions to Avoid.....	Contact with metals and moisture.
Corrosive to Metal.....	Yes
Oxidizer.....	No

SECTION 10**SPECIAL PROTECTION INFORMATION**

Respiratory Protection.....	NIOSH/MSHA-approved organic vapor/dust acid-gas respirator when vapors or dust are generated above permissible limit above TLV or PEL.
Ventilation.....	Local exhaust to control to recommended P.E.I.
Protective Clothing.....	Gloves, coveralls, aprons, boots – as necessary to prevent skin contact.
Eye Protection.....	Chemical goggles
Other Precautions.....	Clean clothing should be worn daily. Eyewash fountains and safety shower should be easily accessible.

SECTION 11**ENVIRONMENTAL DATA**

Environmental Toxicity Data.....	None available
Spill or Leak Procedures.....	Contain and place in approved container. Neutralize remaining traces of material with soda ash and dilute acid, then flush with water
Waste Disposal Method.....	Per local, state, and federal regulations.
Container Disposal.....	Per local, state, and federal regulations.

SECTION 12**SHIPPING DATA**

D.O.T. Proper Shipping Name.....	Hydrochloric Acid Solution
Hazardous Substance 49CFR cercla.....	RQ – 5000 lbs
D.O.T. Hazard Class.....	8
D.O.T. Labels Required.....	Corrosive
D.O.T. Placards Required.....	Corrosive
Poison Constituent.....	None
Bill of Lading Description.....	Safe Scale
Packing Group.....	II
UN/NA Code.....	UN 1789

SECTION 13**SUPPLIER INFORMATION**

While High Sierra Chemical believes the statements set forth herein are accurate as of the date hereof, High Sierra Chemical makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation, and verification.