

MATERIAL SAFETY**DATA SHEET****CLEVELAND RANGE COMPANY**1333 E. 179th, Cleveland, OH 44110

(216) 481-4900

DATE: 02/06/06

REVISED: 02/06/06

SUPERSEDES: 01/10/05

PRODUCT IDENTIFICATION

Trade Name: **DISSOLVE DESCALER**
Chief Constituent: Aqueous Hydrogen Chloride
Hazardous Ingredients/OSHA: Aqueous Hydrogen Chloride
Carcinogenic Ingredients/OSHA/NTP/IARC: None
Ingredients Regulated by SARA Title 3, Section 313: Aqueous Hydrogen Chloride

II. WARNING STATEMENTS

Contains less than 10% Aqueous Hydrogen Chloride. May be harmful if swallowed. Irritant to eyes and mucous membranes. Keep out of reach of children.

III. PHYSICAL AND CHEMICAL DATA

Appearance and Odor: Pale yellow liquid with lime odor
Specific Gravity: 1.056
Boiling Point: 214°F
Vapor Pressure: 30mm Hg estimated
pH of New Product: Less than 1.0
Reagent to produce deep purple color when pH reaches 5.8 to 6.0

IV. FIRE PROTECTION

Flash Point: None
Extinguishing Media: None
Special Firefighting Procedure: None
Unusual Fire Hazard: Toxic gases generated under extreme heat. Breathing apparatus recommended.

V. REACTIVITY DATA

Thermal Stability: Stable (avoid excessive heat)
Materials to Avoid: Strong caustic- aluminum, aluminum alloys, zinc, magnesium, and hot dip galvanized metal
Hazardous Polymerization: Will not occur
Hazardous Decomposition Products: Will not occur

VI. HEALTH HAZARD DATA

Exposure Limits:	Hazardous Compounds	OSHA PEL	ACGIH TLV	% OPTIONAL
	Aqueous Hydrogen Chloride	5	--	9.9

Effects of Overexposure: Burning sensation in eyes or on skin. Should not be considered hazardous when used as directed. The OSHA PEL limit of 5 ppm is for hydrogen chloride gas.
*less than

VII. PHYSIOLOGICAL EFFECTS SUMMARY

ACUTE: Chemical is Aqueous Hydrogen Chloride. May be harmful if swallowed.
Eyes: Irritant to eye; may cause stinging sensation.
Skin: Will sting if it comes in contact with cut or irritated skin.
Respiratory System: Irritant to lungs and mucous membranes.
Internal: May cause burning sensation in stomach.
CHRONIC: None

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VIII. PRECAUTIONS FOR SAFE HANDLING

For general personal hygiene, wash hands thoroughly after handling material. Avoid contact with skin and eyes. Keep from freezing. If frozen, thaw and agitate before use. Use in well ventilated area.

IX. PROTECTION AND CONTROL MEASURES

Protective Equipment: Rubber gloves, splash goggles and eye wash as recommended by Plant Safety Department.
Respiratory Protection: None
Ventilation: N/A

X. EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: Flush with water for 15 minutes. If irritation persists, seek medical attention.
Skin Contact: Wash skin with soap and water.
Inhalation: Remove to fresh air. If burning persists, call physician.
Ingestion: Take one or two glasses of water and call physician.

Emergency Number Contact: Info Track (800) 535-5053

XI. NOTES

HAZARD RATING INFORMATION				
	NPCA/HMIS	NFPA	KEY	
Health	2	2	4 = Severe	1 = Slight
Flammability	0	0	3 = Serious	0 = Minimal
Reactivity	0	0	2 = Moderate	

XII. SPILL AND DISPOSAL PROCEDURES

Environmental Impact: Report spills as required to appropriate authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard Toll Free Number (800) 424-8802.

Procedures if Material is Released or Spilled: Contain spill with temporary dikes to avoid migration of large spills. Neutralize spill with calcium carbonate, sodium carbonate or soda ash.

Waste Management: Dissolve Descaler may be disposed of according to Federal, State, and Local regulations.

Toxic Substance Inventory Control Act: All components are included on the TSCA Inventory and are in compliance with the TSCA.

FOR ADDITIONAL INFORMATION CONTACT:

CLEVELAND RANGE COMPANY
1333 E. 179th Street
Cleveland, OH 44110
(216) 481-4900

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