

**DATA SHEET**

**DATE:** 03/03/05

**REVISED:**

**SUPERSEDES:** 06/04/02

**PRODUCT IDENTIFICATION**

Trade Name:	<b>MORCON-10</b>
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
Ingredients subject to California Proposition 65 Legislation:	None

**II. WARNING STATEMENTS**

Contains 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:	Light Amber
Specific Gravity:	1.056
Boiling Point:	214°F
Vapor Pressure:	30 mm Hg
pH of New Product:	< 1.0

**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 alloys, zinc, magnesium, and hot dip galvanized metal
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Products:	None

**VI. HEALTH HAZARD DATA**

Exposure Limits: Hazardous Compounds	OSHA PEL	ACGIH TLV	o/o Optional
Hydrogen Chloride, Aqueous, L.T.*	5	--	10

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 eyes; 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  
**OTHER:** None

**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, eye wash as recommended by Plant Safety.  
 Respiratory Protection: None  
 Ventilation: Local exhaust.

**X. EMERGENCY AND FIRST AID PROCEDURES**

Eye Contact: Flush eyes 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, seek medical attention.  
 Ingestion: Take one or two glasses of water and call physician.

**XI. NOTES****HAZARD RATING INFORMATION**

	<b>NPCA/HMIS</b>	<b>NFPA</b>	<b>KEY</b>	
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. In case of accident or road spill, notify Chemtrec (800) 424-9300.

Procedures if Material is Released or Spilled: Rinse with copious quantities of water to dilute. Sodium carbonate or calcium carbonate may be used to neutralize acid.

Waste Management: Neutralized Morcon may be disposed of according to Federal, State and Local regulations. New or partially used material may be neutralized with soda ash.

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

**FOR ADDITIONAL INFORMATION CONTACT:**

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