

**MATERIAL SAFETY**

SUMMIT INDUSTRIAL PRODUCTS, INC.

9010 CR 2120, Tyler, TX 75707

(903) 534-8021

**DATA SHEET**

DATE: 09/19/97

REVISED: 09/19/97

SUPERSEDES: 04/29/97

**PRODUCT IDENTIFICATION**

Trade Name: **SUBLIME**  
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 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
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 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

**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. If irritation persists, get medical attention.  
Skin Contact: Wash skin with soap and water.  
Inhalation: Remove to fresh air and burning persists, call physician.  
Ingestion: Take one or two glasses of water and call physician.

**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. In case of accident or road spill, notify Chemtrec (800) 424-9300.

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: Sublime 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:**

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