

MATERIAL SAFETY DATA SHEET

HT 2222 PASSIVATOR

Section I



CHEMICALS & EQUIPMENT, INC.

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Emergency Telephone Number
(713) 644-1492

Telephone Number for Information
(713) 644-1492

Date Prepared
JANUARY 5, 2012 (8/9/2013)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components <i>(Specific Chemical Identity: Common Name(s))</i>	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Hydrochloric Acid	7.5 mg/m ³			
Phosphoric Acid	1 mg/m ³	STEL 3mg/m ³		
Other Acid	N/A			

Section III — Physical/Chemical Characteristics

Boiling Point	212 F	Specific Gravity (H ₂ O = 1)	1.20
Vapor Pressure (mm Hg.)	N/A	Melting Point	
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	Quicker than water.

Solubility in Water

Infinite.

Appearance and Odor

Clear colorless-to-yellow liquid, and slight acid odor.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Non-combustible (Product boils before it flashes)		N/A	N/A

Extinguishing Media

As appropriate for surrounding materials.

Special Fire Fighting Procedures

None Known.

Unusual Fire and Explosion Hazards

None known.

Section V — Reactivity Data

Stability	Unstable	X	Conditions to Avoid Material will react violently with strong alkaline material.
	Stable		

Incompatibility (Materials to Avoid)

Alkaline.

Hazardous Decomposition or Byproducts

HCl gas is slowly released from open containers.

Hazardous Polymerization	May Occur	X	Conditions to Avoid
	Will Not Occur		

Section VI — Health Hazard Data

Route(s) of Entry	Inhalation? Yes	Skin? Yes	Ingestion? Yes
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Health Hazards (Acute and Chronic)

This product is a possible skin irritant and can cause permanent eye damage.

Carcinogenicity	NTP? Unknown	IARC Monographs?	OSHA Regulated?
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Signs and Symptoms of Exposure

Skin: Possible irritation and peeling; Eyes: Moderate stinging and tearing; Ingestion: Throat irritation, stomach pain, and nausea; Inhalation: Irritation and/or coughing.

Medical Conditions (Generally Aggravated by Exposure)

Skin or respiratory.

Emergency and First Aid Procedures

Any contacted tissue should be flushed with water immediately.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

DOT/EPA classify this product as a corrosive due to the low pH <2.0. Treat any spill as a hydrochloric acid spill. Use appropriate personal protective equipment during clean-up. Contain and neutralize with a high pH material to a pH of between 6 and 8. Gas/heat could evolve during neutralization. Collect waste in a non-metallic container or flush the neutralized material to a sewer.

Waste Disposal Method

Flush remaining neutralized material with large amounts of water. Dispose of collected waste in accordance with local, state, and federal waste disposal regulations. Disposal of the waste is the responsibility of the generator.

Precautions to Be Taken in Handling and Storing

Store in proper containers, away from direct sunlight and below 120 degrees F when not in use. Do not store near a highly alkaline material. Use only non-metallic containers during use, transfers, and transporting.

Other Precautions

Section VIII — Control Measures

Respiratory Protection (Specify Type)

Ventilation	Local Exhaust Recommended Mechanical (General) Recommended	Special Exhaust fan Other
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Protective Gloves

Chemical gloves.

Eye Protection

Chemical goggles.

Other Protective Clothing or Equipment

Slicker suit.

Work/Hygiene Practices

Wash hands thoroughly after using the product. Do not eat, smoke, drink, or chew while using the product.

SECTION IX - TRANSPORTATION INFORMATION

Descripton	HT-2222 Passivator
ID number	UN3264
Hazard class	8
Packing Group	II
Labeling	Corrosive Placards
Proper shipping Name	Corrosive Liquid, Acidic, Inorganic, n.o.s., (Hydrochloric & Phosphoric Acid)

HMIS Code: Health: 3 Flammability: 0 Reactivity: 2 PPE: J