

Safety Data Sheet

Product Name: HYDRA

page 1/1

Manufactured by:
Randall Industries, LLC
4565 Hemlock Road
Cherry Tree, PA 15724

Section I

Emergency Phone Number: 1-800-535-5053
Phone Number for Information: 1-814-743-6630
MSDS Revision: May 16, 2015

Ingredient(s):
Hydrogen Chloride

Section II - Hazardous Ingredients

CAS No:	OSHA PEL	ACGIH TLV
7647-01-0	5 ppm	5 ppm

HMIS: 300 NFPA: 300

Section III - Physical / Chemical Data

N/A=Not Applicable N/D=Not Determined

Appearance:	Clear / Milky	Solubility in Water:	100% Complete
Odor:	None	Specific Gravity:	1.160 Water = 1
pH:	< 2	Vapor Pressure:	55 mm Hg
Boiling Point:	108 (42) °F (°C)	Vapor Density:	1.27 Air = 1
Melting Point:	N/D °F (°C)	Evaporation Rate:	2.0 Butyl Acetate = 1

Section IV - Fire And Explosion Hazards

Flash Point: None to IBP °F (°C) (CC) Flammable Limits: LEL: N/A UEL: N/A

Extinguishing Media: Use water fog, foam, dry chemical or Carbon Dioxide.

Special Fire Fighting Procedures: Wear an approved self-contained breathing apparatus and protective clothing with full face piece operated in the positive pressure demand mode and full body protection.

Fire / Explosive Hazards: None known.

Section V - Reactivity Data

Stability: Stable Unstable Hazardous Polymerization: May occur Will not occur

Incompatibility: Alkali materials and metals.

Hazardous Decomposition Products: Flammable Hydrogen gas when reacted with certain metals.

Conditions to Avoid: None known.

Section VI - Health Hazard Data

Primary Routes of Entry: Inhalation Skin Contact Ingestion

Health Hazards: Eyes: may cause irreversible damage.
Skin: may cause irreversible damage.
Ingestion: Irritation and burns to stomach, mouth, throat, etc

Carcinogenicity: NTP IARC Monographs OSHA Regulated Not a carcinogen

Signs and Symptoms of Exposure: Irritating to eyes & skin. Will cause burning/redness/damage.
Ingestion: May cause vomiting, headache, diarrhea and other medical problems.
Inhalation: May cause coughing, sneezing, and upper respiratory irritation.

Conditions Generally Aggravated by Exposure: Pre-existing eye, skin & respiratory disorders may be aggravated with contact.

Emergency and First Aid Procedures: Eyes & Skin: Flush with water for 15 minutes, if irritation persists get medical attention.
Ingestion: Do not induce vomiting. Drink water, milk of magnesia. Get medical attention.
Inhalation: Move to fresh air.

Section VII - Precautions for Safe Handling and Use

If Material is Released or Spilled: Small spill: cover contaminated area with sodium bicarbonate or soda ash and add water if necessary to form a slurry. Large spill: dike to prevent spreading

Wastes Disposal Method: Dispose of in accordance with federal, state, and local regulations.

Precautions for Handling and Storing: Always add acids to water.

Other Precautions: Keep Out Of Reach Of Children.

Section VIII - Control Measures

Respiratory Protection: Chemical cartridge respirator if exposure limits are exceeded. Ventilation: Mechanical (General)

Protective Gloves: Rubber Gloves Eye Protection: Chemical goggles and/or Face shield

Other Protective Equipment: Impervious clothing and boots.

Work/Hygenic Practices: Wash hands before eating. Launder contaminated clothing before re-use.

