

Material Safety Data Sheet

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24 Hour Emergency Assistance

Section 1 Identification					
Product Number:	H2505				
Product Name:	Hydrochloric Acid Reagent A.C.S.	Health:	3		
		Flammability	0		
		Reactivity	1		
Trade/Chemical Synonyms		Hazard Rating: Least Slight Moderate High Extreme 0 1 2 3 4			
Formula:	HCl	NA = Not Applicable NE = Not Established			
RTECS:	MW4025000				
C.A.S	CAS# 7647-01-0				
Section 2 Component Mixture					
Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established
<input checked="" type="checkbox"/>	Hydrochloric Acid	CAS# 7647-01-0	36.5 - 38%	W/W	OSHA PEL (C) 5 ppm, (C) 7 mg/mf
Section 3 Hazard Identification (Also see section 11)					
Causes severe irritation and burns. May Be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.					
Section 4 First Aid Measures					
Causes severe irritation and burns. May Be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.					
FIRST AID: CALL A PHYSICIAN. SKIN: In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse.					
EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen					
INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.					
Section 5 Fire Fighting Measures					
Fire Extinguisher Type:	Any means suitable for extinguishing surrounding fire				
Fire/Explosion Hazards:	Thermal decomposition produces highly toxic fumes.				
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.				
Section 6 Accidental Release Measures					
Evacuate area. Wear self-contained breathing apparatus and protective clothing. Dispose of in a manner consistent with federal, state, local regulations.					
Section 7 Handling and Storage					
Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.					
Section 8 Exposure Controls & Personal Protection					
Respiratory Protection: NIOSH/MSHA-approved respirator					
Mechanical: <input checked="" type="checkbox"/>			Hand NIOSH Approved Protection: Gloves		
Ventilation: Local Exhaust: <input type="checkbox"/>			Eye Goggles and Face Protection: Shield		
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure					
Section 9 Physical and Chemical Properties					
Melting Point: -114.3 °C		Specific Gravity: 1.19			
Boiling Point: 51 °C		Percent Volatile by Volume: >99%			
Vapor Pressure: 160 mm Hg @ 70 °F		Evaporation Rate: Information not available			
Vapor Density: 1.27		Evaporation Standard:			
Solubility in Water: Soluble		Auto ignition Temperature: Not applicable			
Appearance and Odor: Colorless fuming liquid		Lower Flamm. Limit in Air: Not applicable			
Flash Point: Information not available		Upper Flamm. Limit in Air: Not applicable			
Section 10 Stability and Reactivity Information					
Stability: Stable Conditions to Avoid: Avoid contact with incompatible materials.					
Materials to Avoid: Metals, bases, amines, and water					
Hazardous Decomposition Products: HCl fumes and Hydrogen gas					
Hazardous Polymerization: Will Not Occur					
Condition to Avoid: None known					
Section 11 Additional Information					
Conditions aggravated/target organs: Corrosive! Severe exposure may be fatal. Acute: Severe burns to eyes, skin, respiratory system, GI tract. Chronic: Dermatitis, eye damage, lung damage.					
DOT Classification: Hydrochloric Acid, 8, UN1789, PG II					
DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.					
Revision No: 1 Date Entered: 6/26/2008 Approved by: WPF					

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