

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements.



Product Identity – Section I

Product Name: Compound 302	Emergency Tele: Chem Trec 800-4249300
CAS #: See below	Revision Date: 1/26/99
Manufacturer: Arcal Chemicals, Inc.	Other Tele: 301-336-9300
Address: 223 Westhampton Avenue Capitol Hgts. MD 20743	Fax: 301-336-6597

HAZARDOUS INGREDIENTS / OTHER COMPONENTS – SECTION II

MATERIAL / CAS #	%	ACGIH (TLV – TWA)	OSHA (PEL -TWA)
Hydrochloric Acid/ CAS # 7647-01-0 Metallc Chloride/ CAS # 10025-77-1		5 ppm N/A	5 ppm N/A

PHYSICAL DATA – SECTION III

APPEARANCE Yellow Paste	ODOR Acid Odor	MELT POINT N/A	SPECIFIC GRAVITY 1.46
VAPOR DENSITY (AIR = 1) Greater than 1	% VOLATILE BY VOLUME 70 %	BULK DENSITY 12.2 lbs/ gal	BOILING POINT N/A
VAPOR PRESSURE mmHg °f N/A	% SOLUBILITY (H2O) 70 %		

FIRE AND EXPLOSION HAZARD DATA – SECTION IV

FLASH POINT & METHOD None	<table border="1"> <thead> <tr> <th colspan="2">NFPA FIRE HAZARDS</th> </tr> </thead> <tbody> <tr> <td>HEALTH</td> <td style="text-align: center; border: 1px solid black;">3</td> </tr> <tr> <td>FLAMMABILITY</td> <td style="text-align: center; border: 1px solid black;">0</td> </tr> <tr> <td>REACTIVITY</td> <td style="text-align: center; border: 1px solid black;">1</td> </tr> <tr> <td>SPECIFIC</td> <td style="border: 1px solid black;"></td> </tr> </tbody> </table>	NFPA FIRE HAZARDS		HEALTH	3	FLAMMABILITY	0	REACTIVITY	1	SPECIFIC	
NFPA FIRE HAZARDS											
HEALTH		3									
FLAMMABILITY		0									
REACTIVITY	1										
SPECIFIC											
FLAMMABLE LIMITS											
EXTINGUISHING MEDIA: Carbon dioxide, foam											
SPECIAL FIRE FIGHTING PROCEDURES: Keep container cool											
UNUSUAL FIRE AND EXPLOSION HAZARDS: Acidic product reacts with metals to produce hydrogen DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS: Hydrogen chloride, chlorine EMPTY CONTAINER: Empty container will contain acidic residue. Dispose of in accordance with local, state, and federal regulations.	4 = EXTREME 3 = HIGH 2 = MODERATE 1 = SLIGHT 0 = INSIGNIFICANT										

REACTIVITY DATA – SECTION V**STABILITY:** Stable**CONDITIONS TO AVOID:** None known**INCOMPATIBILITY (MATERIAL TO AVOID):** Concentrated alkalis and metals**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** Hydrogen chloride and chlorine with incomplete combustion**HAZARDOUS POLYMERIZATION:** Will not occur**CONDITIONS TO AVOID:** None Known**HEALTH HAZARD DATA – SECTION VI****Route(s) of Entry:****Inhalation?****Skin?****Ingestion?**

X

X

Unlikely

Health Hazards (Acute and Chronic):Skin burns due to prolonged contact; eyes damaged on contact; breathing vapors and mist will damage the respiratory tract.
Ld = 1932 mg/ kg (rats: oral)**CARCINOGENICITY:** None**NTP?** --**IARC Monographs?** --**OSHA?** --**MEDICAL CONDITIONS****GENERALLY AGGRAVATED by EXPOSURE:** Skin burns and respiratory damage**EMERGENCY AND FIRST AID PROCEDURES****EYE CONTACT:** Flush thoroughly with water for at least 15 minutes & get immediate medical attention.**SKIN CONTACT:** Flush skin thoroughly with water.**INHALATION:** Exit affected area & breath fresh air until symptoms are gone.**INGESTION:** Drink large amounts of water with antacid. DO NOT INDUCE VOMITING. Seek medical attention.**PRECAUTIONS FOR SAFE HANDLING AND USE – SECTION VII****Steps to be taken in case material is released or spilled:**

Flush small amounts to drain. Collect & treat large amounts with sodium bicarbonate to counteract acidity and dispose to solid waste.

Waste Disposal Method:

pH adjustment and dispose in accordance with federal, state, and local regulations.

Precautions to be taken in handling and storing:

Store in a cool, dry place.

CONTROL MEASURES – SECTION VIII**Respiratory or breathing apparatus::** None required if ventilation is adequate**Ventilation:****Local Exhaust:** Yes**Special:** None**Mechanical:** None**Other:** None**Protective Gloves:** Non-absorbent, rubber type**Eye Protection:** Goggles or full face shield**Other Protective Clothing or Equipment:** Acid resistant**TRANSPORTATION INFORMATION****PROPER SHIPPING NAME:** Hydrochloric Acid Solution **HAZARDOUS CLASS:** 8 **ID NUMBER:** UN1263 **PG:II LABEL CODES:**