

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 CAS #: See below Manufacturer: Arcal Chemicals, Inc. Address: 223 Westhampton Avenue Capitol Heights. MD 20743	Emergency Tel: Chem Trec 800-424-9300 Revision Date: 01, January 2011 Other Tel: 301-336-9300 Fax: 301-336-6597
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HAZARDOUS INGREDIENTS / OTHER COMPONENTS – SECTION II

MATERIAL / CAS #	%	ACGIH (TLV – TWA)	OSHA (PEL -TWA)
Hydrochloric Acid/ CAS # 7647-01-0 Metallic 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 %	pH -0.5	

FIRE AND EXPLOSION HAZARD DATA – SECTION IV

FLASH POINT & METHOD: None	NFPA FIRE HAZARDS <table border="1"> <tr> <td>HEALTH</td> <td style="text-align: center;">3</td> </tr> <tr> <td>FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td>REACTIVITY</td> <td style="text-align: center;">1</td> </tr> <tr> <td>SPECIFIC</td> <td></td> </tr> </table>	HEALTH	3	FLAMMABILITY	0	REACTIVITY	1	SPECIFIC	
HEALTH		3							
FLAMMABILITY		0							
REACTIVITY		1							
SPECIFIC									
FLAMMABLE LIMITS: N/A									
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

HEALTH HAZARD DATA – SECTION VI

ROUTES OF ENTRY:	Inhalation?	Skin?	Ingestion?
	X	X	Unlikely

HEALTH HAZARDS (ACUTE & 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

UN1789, HYDROCHLORIC ACID, 8, PG:II (Labels: CORROSIVE)