

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

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| 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: 05/01/08 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

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|---------------------|---------------------------|----------------------|
| 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

CONSUMER COMMODITY, ORM-D