



ARCAL CHEMICALS, INC.

# SAFETY DATA SHEET Compound 302

Revised: July 8, 2015

## 1. IDENTIFICATION OF THE PRODUCT AND MANUFACTURER

### Compound 302

Arcal Chemicals, Inc.  
223 Westhampton Avenue  
Capitol Heights, MD 20743

Tele:301-336-9300  
Fax: 301-336-6597  
Emergency: Chemtrec 800-424-9300

## 2. HAZARDS IDENTIFICATION



### WARNING

Containing less than 10% hydrogen chloride the primary hazard is having prolonged contact with skin. Being a paste, spillage is limited and air contamination is limited. If the paste or clothing contaminated with the paste is allowed to remain in contact with skin for minutes or hours, serious injury may occur, such as irritation and blistering.

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

| <u>Hazardous Component</u> | <u>CAS #</u> | <u>Conc.</u> | <u>OSHA PEL</u> | <u>ACGIH TWA</u> |
|----------------------------|--------------|--------------|-----------------|------------------|
| Hydrochloric acid          | 7647-01-0    | <10 %        | 5 ppm           | 5 ppm            |
| Ferric chloride            | 7705-08-0    | <3 %         | NA              | NA               |

## 4. FIRST AID MEASURES

**Eye contact:** Flush with clean water for 15 minutes or until irritation subsides. If irritation persists, seek medical advice.

**Inhalation:** Hydrogen chloride is evolved as Compound 302 dries. If an acidic odor becomes noticeable, proceed to fresh air until adequate ventilation is established.

**Skin contact:** Remove contaminated clothing and launder before reuse. Wash skin with soap and water.

**Ingestion:** In case of this unlikely event, administer antacids (not sodium bicarbonate). Do not induce vomiting (to avoid getting material into the lungs) and obtain medical help immediately.

## 5. FIRE-FIGHTING MEASURES

|                           |                 |                          |                   |
|---------------------------|-----------------|--------------------------|-------------------|
| <b>NFPA FIRE HAZARDS:</b> | <b>HEALTH</b>   | <b>FLAMMABILITY</b>      | <b>REACTIVITY</b> |
|                           | <b>3</b> (high) | <b>0</b> (insignificant) | <b>1</b> (slight) |

**SAFETY DATA SHEET    Compound 302**

Revised: July 8, 2015

Compound 302 contains less than 5% flammable material and is unlikely to burn. If Compound 302 is heated by nearby fire or heat, vapors of hydrochloric acid will be produced and should be avoided. Granulated limestone (agricultural lime) may be used to neutralize acid runoff from containers which are punctured or overfilled with water spray.

---

**6. ACCIDENTAL RELEASE MEASURES**

In case Compound 302 is spilled, treat the area with an alkaline material like agricultural lime, carefully scoop up the result and dispose in a plastic container with hazardous waste. Lime will neutralize acid. Ventilate the area to remove hydrogen chloride gas.

---

**7. HANDLING AND STORAGE**

Store Compound 302 in a cool dry place where moisture will not collect on containers and where heat from equipment or the sun will not expose the product to temperature extremes.

---

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Where ventilation is insufficient to insure low personal exposure, see Section 3 for Permissible Exposure Limit (PEL) and Time Weighted Average (TWA) and use appropriate monitoring equipment. Use of Compound 302 in confined space requires breathing apparatus to prevent inhalation of hydrogen chloride which evaporates as the paste dries. Splash-proof safety goggles and chemically resistant gloves (without tears, pinholes or other signs of wear) are highly recommended to protect personnel.

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Yellow paste

**Odor:** Acidic

**Density:** 12.2 pounds per gallon

**Boiling point:** 212 F

**Volatile Organic Content:** (VOC): <90 g/L

**Solubility in water:** 60%

**Flash point:** Non-flammable

**pH** -0.5

---

**10. STABILITY AND REACTIVITY**

Compound 302 is not subject to polymerization. Avoid inadvertent contact with metals. The major hazard is the corrosive action of hydrogen chloride, so use and store Compound 302 away from materials which could be affected by exposure to corrosive vapors

---

---

**11. TOXICOLOGICAL INFORMATION**

The primary irritant effect of Compound 302 is on the skin (including the eye), especially from prolonged contact. Other ingredients are diluted and present minimal hazard. The complete product has not been tested.

---

**12. ECOLOGICAL INFORMATION**

Do not allow product to reach ground water, water course or sewer.

---

**13. DISPOSAL CONSIDERATIONS**

Waste product is hazardous (US EPA: due to acidity). Do not dispose with residential garbage or allow product to reach ground water or sewer.

---

**14. TRANSPORT INFORMATION**

Compound 302 is sold in limited quantities:

49CFR173.154, Exceptions for Class 8 (Corrosive materials). Limited Quantities may be classified as a "Consumer Commodity" **ORM-D**

Other than limited quantities the following would apply:

| <b>ID No.</b> | <b>Proper Shipping Name</b> | <b>Hazard Class</b> | <b>Packing Group</b> |
|---------------|-----------------------------|---------------------|----------------------|
| UN 1789       | Hydrochloric acid           | 8                   | II                   |

---

**15. REGULATORY INFORMATION**

TSCA: All ingredients are listed.

---

**16: OTHER INFORMATION**

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.