



SAFETY DATA SHEET

Compound 302

Revised August 21, 2014

1. IDENTIFICATION OF THE PRODUCT AND MANUFACTURER

Compound 302

Arcal Chemicals, Inc.
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Capitol Heights, MD 20743

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2. HAZARDS IDENTIFICATION

Compound 302 is a pickling paste for removal of oxidation colors and weld burn on stainless steel. The primary hazard comes from prolonged contact with skin. Compound 302 contains less than 10% hydrogen chloride, and does not cause immediate irritation to intact skin. However, if the paste or contaminated clothing 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	<25%	5 ppm	5 ppm
Ferric chloride	7705-08-0	<5%	N/A	N/A

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

NFPA FIRE HAZARDS:	HEALTH	FLAMMABILITY	REACTIVITY
	3 (high)	0 (insignificant)	1 (slight)

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

ID No.	Proper Shipping Name	Hazard Class	Packing Group
UN 1789	Hydrochloric acid	8	II

Label: Corrosive

15. REGULATORY INFORMATION

TSCA: All ingredients are listed.

16. OTHER INFORMATION

Information supplied 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.