

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: Weld-O	Emergency Tele: Chem Trec 800-4249300
CAS #: See below	Revision Date: January 31, 2011
Manufacturer: Arcal Chemicals, Inc.	Other Tele: 301-336-9300
Address: 223 Westhampton Avenue Capitol Heights. MD 20743	Fax: 301-336-6597

HAZARDOUS INGREDIENTS / OTHER COMPONENTS – SECTION II

MATERIAL / CAS #	ACGIH (TLV – TWA)	OSHA (PEL -TWA)
Hydrofluoric Acid 7664-39-3	3 ppm	3 ppm
Nitric Acid 7697-37-2	2 ppm	2 ppm
Diacetone Alcohol 123-42-2	50 ppm	50 ppm

PHYSICAL DATA – SECTION III

APPEARANCE Pink Liquid	ODOR Acidic	MELT POINT NA	SPECIFIC GRAVITY 1.01
VAPOR DENSITY Greater than air	% VOLATILE BY VOLUME 99%	BULK DENSITY 8.3 lb/gal	BOILING POINT 212°F
VAPOR PRESSURE mmHg °f	% SOLUBILITY (H2O)		

FIRE AND EXPLOSION HAZARD DATA – SECTION IV

FLASH POINT : None	NFPA FIRE HAZARDS
FLAMMABLE LIMITS LEL n/a	
EXTINGUISHING MEDIA: n/a	
SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus.	
UNUSUAL FIRE AND EXPLOSION HAZARDS: May release hydrogen fluoride and/or oxides of nitrogen.	HEALTH: 4
EMPTY CONTAINER WARNING: Acid vapors with fluorides are hazardous.	FLAMMABILITY: 0
	REACTIVITY: 1
	SPECIFIC
	4 = EXTREME 3 = HIGH 2 = MODERATE 1 = SLIGHT 0 = INSIGNIFICANT

REACTIVITY DATA – SECTION V**Stability:** Stable**CONDITIONS TO AVOID:** Strong alkalis**INCOMPATIBILITY (MATERIAL TO AVOID):** Stron alkalis**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** Hydrogen fluoride gas, oxides of nitrogen.**HAZARDOUS POLYMERZATION:** Will not occur.**HEALTH HAZRD DATA – SECTION VI****Route(s) of Entry:** **Inhalation?** **Yes** **Skin?** **Yes** **Ingestion?** **Yes****Health Hazards (Acute and Chronic):** Can cause severe skin burns with ulceration and removes calcium from tissue.**CARCINOGENICITY:** **None** **NTP?** **--** **IARC Monographs?** **--** **OSHA?** **--****MEDICAL CONDITIONS GENERALLY AGGRAVATED by EXPOSURE:** Dermatitis**EMERGENCY AND FIRST AID PROCEDURES****EYE CONTACT:** Flush with large volumes clean clear water for 15 minutes. If sterile 1% calcium gluconate solution is available, washing may be limited to 5 minutes, after which the 1% calcium gluconate solution should be used repeatedly to irrigate.**SKIN CONTACT:** Remove any contaminated clothing and flush with plenty of cool water; speed in washing off acid is of primary importance. If 0.13% bensalkonium chloride solution or 2.5% calcium gluconate gel is available, the water rinse may be limited to 5 minutes, with soaks of gel applied as soon as the rinsing is stopped.**INHALATION:** If overcome from inhalation, remove subject from exposure and seek medical attention.**INGESTION:** Have the subject drink large amounts of water as quickly as possible to dilute the acid. Do not induce vomiting. Do not give emetics or baking soda.**PRECAUTIONS FOR SAFE HANDLING AND USE – SECTION VII****Steps to be taken in case material is released or spilled:** Contain the spill. Collect the material into a plastic container. The affected area can be neutralized with a solution of sodium hydroxide.**Waste Disposal Method:** All federal, state and local regulations must be followed. This product may be neutralized with a solution of sodium hydroxide.**Precautions to be taken in handling and storing:** Rubber gloves, goggles and other protective gear should be used in hadling, using or storing this product. Store in heavy duty plastic containers.**CONTROL MEASURES – SECTION VIII****Respiratory or breathing apparatus::** Use appropriately rated breathing apparatus in closed areas lacking sufficient ventilation.**Ventilation:** Yes**Local Exhaust:** Yes
Mechanical:**Special:**
Other:**Protective Gloves:** Yes**Eye Protection:** Yes**Other Protective Clothing or Equipemnt:** Plastic aprons.**TRANSPORTATION INFORMATION**

UN1790, HYDROFLUORIC ACID, 8, (6.1), PG: II (Labels: Corrosive / Poison)