

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-0**
CAS #: See Below
Manufacturer: Arcal Chemicals, Inc.
Address: 223 Westhampton Avenue
Capitol Heights, MD 20747

Emergency Tele: 1-800-424-9300
Revision Date: 02 February 2008
Other Tele: 301-336-9300
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 Approx. 20 mm Hg at 72°F	% SOLUBILITY (H2O) Complete		

FIRE AND EXPLOSION HAZARD DATA – SECTION IV

FLASH POINT: None	NFPA FIRE HAZARDS <table border="1"><tr><td>HEALTH</td><td>4</td></tr><tr><td>FLAMMABILITY</td><td>0</td></tr><tr><td>REACTIVITY</td><td>1</td></tr><tr><td>SPECIFIC</td><td></td></tr></table>	HEALTH	4	FLAMMABILITY	0	REACTIVITY	1	SPECIFIC	
HEALTH		4							
FLAMMABILITY		0							
REACTIVITY		1							
SPECIFIC									
FLAMMABLE LIMITS LEL: N/A UEL: N/A									
EXTINGUISHING MEDIA: N/A									
SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus.									
UNUSUAL FIRE AND EXPLOSION HAZARDS: DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS: May liberate hydrogen fluoride and/or oxides of nitrogen. EMPTY CONTAINER WARNING: Acid vapors and fluorides are hazardous.	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): Strong Alkalis

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Hydrogen fluoride gas, oxides of nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur.

HEALTH HAZARD DATA – SECTION VI

Route(s) of Entry: **Inhalation?** Yes **Skin?** Yes **Ingestion?** Yes

HEALTH HAZARDS (ACUTE & CHRONIC): May cause severe skin burns with ulceration. Removes calcium from tissues.

CARCINOGENICITY: NO **NTP?** N/A **IARC Monographs?** N/A **OSHA?** N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED by EXPOSURE: Various types of dermatitis.

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Flush with clear water for 15 minutes with large amounts of flowing water. 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% benzalkonium chloride solution or 2.5% calcium gluconate gel is available, the water rinse may be limited to 5 minutes, with the soaks or gel applied as soon as the rinsing is stopped.

INHALATION: If overcome from inhalation, remove patient from exposure and seek medical attention.

INGESTION: Have the victim 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 handling. Store in heavy-duty plastic containers.

CONTROL MEASURES – SECTION VIII

Respiratory or breathing apparatus: Should be used in closed areas lacking sufficient ventilation.

Ventilation: yes

Local Exhaust: Yes
Mechanical:

Special:
Other:

Protective Gloves: Yes

Eye Protection: Yes

Other Protective Clothing or Equipment: Plastic aprons.

TRANSPORTATION INFORMATION

UN1790, HYDROFLUORIC ACID, 8 (6.1), PG:II (Labels: CORROSIVE / POISON)