

IPS WELD-ON	MATERIAL SAFETY DATA SHEET	Date Revised: FEB 1999 Supersedes: SEP 1998
Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. IPS Corporation urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents and contractors of the information on this sheet.		
SECTION I		
MANUFACTURER'S NAME IPS Corporation ADDRESS 17109 S. Main St., P.O. Box 379, Gardena, CA. 90248		Transportation Emergencies: CHEMTREC: (800) 424-9300 or 3 E COMPANY (800) 451-8346 Medical Emergencies: 3 E COMPANY (24 Hour No.) (800) 451-8346 Business: (310) 898-3300
CHEMICAL NAME and FAMILY Acrylic Reactive Cement Mixture of Acrylic Resin and Methyl Methacrylate Monomer		TRADE NAME: WELD-ON 810 Component "A" FORMULA: Proprietary
SECTION II - HAZARDOUS INGREDIENTS		
None of the ingredients below are listed as carcinogens by IARC, NTP or OSHA		
	CAS#	APPROX %
	ACGIH-TLV	ACGIH-STEL
	OSHA-PEL	OSHA-STEL
Acrylic Resin	NON/HAZ	N/A
Methyl Methacrylate Monomer	80-62-6	50*
		100 PPM
		100 PPM
*Title III Section 313 Supplier Notification: This product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.		
BULK SHIPPING INFORMATION / CONTAINERS LARGER THAN ONE LITER		SPECIAL HAZARD DESIGNATIONS
DOT Shipping Name: Adhesive		HMIS
DOT Hazard Class: 3		NFPA
Identification Number: UN 1133		HAZARD RATING
Packaging Group: II		HEALTH: 2 2 0 - MINIMAL
Label Required: Flammable Liquid		FLAMMABILITY: 3 3 1 - SLIGHT
		REACTIVITY: 1 1 2 - MODERATE
		PROTECTIVE 3 - SERIOUS
		EQUIPMENT: H 4 - SEVERE
SHIPPING INFORMATION FOR CONTAINERS LESS THAN ONE LITER		
DOT Shipping Name: Consumer Commodity		
DOT Hazard Class: ORM-D		
H = Eye, Hand/Skin and Respiratory Protection and Impermeable Apron		
SECTION III - PHYSICAL DATA		
APPEARANCE White, heavy viscous liquid	ODOR Distinct Odor	BOILING POINT (°F/°C) 214°F (101°C) Based on Methyl Methacrylate Monomer
SPECIFIC GRAVITY @ 73°F ± 3.6° (20°C ± 2°) Typical 1.03 ± 0.040	VAPOR PRESSURE (mm Hg.) 29 mm Hg. @ 68°F (20°C) based on Methyl Methacrylate Monomer	PERCENT VOLATILE BY VOLUME (%) Approx: 50 -70 %
VAPOR DENSITY (Air = 1) 3.46 based on Monomer	EVAPORATION RATE (BUAC = 1) Approx. 3	SOLUBILITY IN WATER Based on Monomer 1.6
VOC STATEMENT: Maximum VOC 75 grams/liter (when mixed with Component "B"). Reactive Adhesive. Meets SCAQMD Rule 1168.		
SECTION IV - FIRE AND EXPLOSION HAZARD DATA		
FLASH POINT 51°F (11°C) T.C.C.	FLAMMABLE LIMITS (Percent by Volume)	LEL 2.1
		UEL 12.5
FIRE EXTINGUISHING MEDIA Foam, carbon dioxide,dry chemical, water fog (by trained personnel).		
SPECIAL FIRE FIGHTING PROCEDURES Full protective equipment, including self-contained breathing apparatus, is recommended. Cool containers of material exposed to heat with cold water spray. Fight fires from a safe distance or protected area.		
UNUSUAL FIRE AND EXPLOSION HAZARDS Sealed containers exposed to elevated temperatures may rupture explosively due to polymerization. Vapors are heavier than air and may travel to source(s) of ignition at or near ground or lower level(s) and flash back. Susceptible to spontaneous heating. Considered a fire hazard because of low flash point.		

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES

OF ENTRY: X Inhalation X Skin Contact Eye Contact Ingestion

EFFECT OF OVEREXPOSURE

ACUTE:

Inhalation: Exposure may result in nausea, drowsiness, dizziness, headache and other CNS effects. Can cause irritation of eyes and nasal passages.

Skin Contact: Skin irritant. Potential skin sensitizer. Repeated or prolonged contact may result in skin irritation, contact dermatitis, rash, itching, swelling.

Eye Contact: Direct exposure may result in irritation with corneal or conjunctival inflammation.

Ingestion: Moderately toxic. Do not induce vomiting and obtain prompt medical attention.

CHRONIC:

Inhalation Toxicity described in animals exposed by inhalation include inflammation of the nasal cavity and changes in nasal sensory cells and slight decrease in body weight.

Ingestion Toxicity described in animals exposed by ingestion include decreased body weight and increased relative kidney weight at high dose levels.

REPRODUCTIVE EFFECTS	TERATOGENICITY	MUTAGENICITY	EMBRYOTOXICITY	SENSITIZATION TO PRODUCT	SYNERGISTIC PRODUCTS
N. AP.	N. AP.	N. AP.	N. AP.	N. AP.	N. AV.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: This material may aggravate an existing dermatitis. Individuals with pre-existing diseases of the lungs, liver or kidney may have increased susceptibility to the toxicity of excessive exposures.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Remove patient to fresh air and if breathing stopped, give artificial respiration. If breathing is difficult, give oxygen. Contact physician immediately.

Eye Contact: Immediately flush eyes with water for 15 minutes and contact a physician.

Skin Contact: Wash skin with soap and water for at least 15 minutes. If irritation develops, get medical attention.

Ingestion: Give 1 or 2 glasses of water or milk. Do not induce vomiting. Call physician or poison control center immediately.

SECTION VI - REACTIVITY

STABILITY	UNSTABLE		CONDITIONS TO AVOID: Exposure to fire, heat, sparks, open flame and other sources of ignition, direct sunlight or contact with oxidizing materials.
	STABLE	X	

INCOMPATIBILITY
(MATERIALS TO AVOID) Reducing and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

This product gives out carbon monoxide (CO), carbon dioxide (CO²) and smoke upon combustion. Generates heat when mixed with oxidizing materials.

HAZARDOUS	MAY OCCUR	X	CONDITIONS TO AVOID Keep away from heat, sparks, open flame and other sources of ignition.
POLYMERIZATION	WILL NOT OCCUR		

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Eliminate all ignition sources. Avoid exposure of personnel to toxic concentration of vapor and guard against accidental fire and explosion. Contain liquid with sand, earth or nonflammable absorbent material and transfer into steel drums for recovery or disposal. Prevent liquid from entering drains.

WASTE DISPOSAL METHOD

Follow local, State and Federal regulations. Material should not be allowed to drain into domestic sewer or storm drains. Consult disposal expert.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Atmospheric levels should be maintained below established exposure limits contained in Section II. If airborne concentrations exceed those limits, use of a NIOSH approved organic vapor cartridge respirator with full face-piece is recommended. The effectiveness of an air purifying respirator is limited. Use it only for a single short-term exposure. For emergency and other conditions where short term exposure guidelines may be exceeded, use an approved positive pressure self-contained breathing apparatus.

VENTILATION

Use only with adequate ventilation. Provide sufficient ventilation in volume and pattern to keep contaminants below applicable exposure limits set forth in Section II. Use only explosion proof ventilation equipment.

PROTECTIVE GLOVES

PVA or rubber coated gloves

EYE PROTECTION

Splashproof chemical goggles

OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES

Impervious apron and a source of running water to flush or wash the eyes and skin in case of contact.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in a cool dark place below 70°F (21°C). Keep away from all sources of heat, sparks, open flame and other sources of ignition. Close container after each use. Ground containers when pouring. Use with adequate ventilation. Train employees on all special handling procedures before they work with this product.

OTHER PRECAUTIONS

Follow all precautionary information given on container label, product bulletins and our solvent cementing literature. All material handling equipment should be electrically grounded.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.