

IPS WELD-ON		MATERIAL SAFETY DATA SHEET				Date Revised: JAN 2008 Supersedes: MAR 2004																					
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																											
<b>MANUFACTURER'S NAME</b> IPS Corporation <b>ADDRESS</b> 17109 S. Main St., P.O. Box 379, Gardena, CA. 90248				<b>Transportation Emergencies:</b> CHEMTREC: (800) 424-9300 <b>Medical Emergencies:</b> 3 E COMPANY (24 Hour No.) (800) 451-8346 <b>Business: (310) 898-3300</b>																							
<b>CHEMICAL NAME and FAMILY</b> Methyl Methacrylate Monomer				<b>TRADE NAME:</b> WELD-ON 3061 <b>FORMULA:</b> Proprietary																							
SECTION II - HAZARDOUS INGREDIENTS																											
None of the ingredients below are listed as carcinogens by IARC, NTP or OSHA																											
	<b>CAS#</b>	<b>APPROX %</b>	<b>ACGIH-TLV</b>	<b>ACGIH-STEL</b>	<b>OSHA-PEL</b>	<b>OSHA-STEL</b>																					
Methyl Methacrylate Monomer	80-62-6	84 - 99*	100 PPM		100 PPM																						
All of the constituents of Weld-On adhesive products are listed on the TSCA inventory of chemical substances maintained by the US EPA, or are exempt from that listing.																											
Under some circumstances, mutagenic changes have been observed with Methyl Methacrylate in animal studies. Precautions should be taken to avoid unnecessary exposure to this cement.																											
*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.																											
<b>BULK SHIPPING INFORMATION / CONTAINERS LARGER THAN ONE LITER</b> DOT Shipping Name: Methyl Methacrylate Monomer, Stabilized DOT Hazard Class: 3 Identification Number: UN 1247 Packaging Group: II Label Required: Flammable Liquid				<b>SPECIAL HAZARD DESIGNATIONS</b> <table border="1"> <thead> <tr> <th></th> <th>HMIS</th> <th>NFPA</th> <th>HAZARD RATING</th> </tr> </thead> <tbody> <tr> <td>HEALTH:</td> <td>2</td> <td>2</td> <td>0 - MINIMAL</td> </tr> <tr> <td>FLAMMABILITY:</td> <td>3</td> <td>3</td> <td>1 - SLIGHT</td> </tr> <tr> <td>REACTIVITY:</td> <td>1</td> <td>2</td> <td>2 - MODERATE</td> </tr> <tr> <td>PROTECTIVE EQUIPMENT:</td> <td>B - H</td> <td></td> <td>3 - SERIOUS 4 - SEVERE</td> </tr> </tbody> </table>					HMIS	NFPA	HAZARD RATING	HEALTH:	2	2	0 - MINIMAL	FLAMMABILITY:	3	3	1 - SLIGHT	REACTIVITY:	1	2	2 - MODERATE	PROTECTIVE EQUIPMENT:	B - H		3 - SERIOUS 4 - SEVERE
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<b>SHIPPING INFORMATION FOR CONTAINERS LESS THAN ONE LITER</b> DOT Shipping Name: Consumer Commodity DOT Hazard Class: ORM-D				B = Eye, Hand/Skin (for normal solvent-welding, small spill, clean-up activities) H = Eye, Hand/Skin, Respiratory Protection and Impermeable Apron (splash/immersion risks)																							
SECTION III - PHYSICAL DATA																											
<b>APPEARANCE</b> Water thin, colorless liquid		<b>ODOR</b> Fruity		<b>BOILING POINT (°F/°C)</b> 214°F (101°C)																							
<b>SPECIFIC GRAVITY @ 73°F ± 3.6° (23°C ± 2°)</b> Typical 0.950 ± 0.040		<b>VAPOR PRESSURE (mm Hg.)</b> 29 mm Hg. @ 68°F (20°C)		<b>PERCENT VOLATILE BY VOLUME (%)</b> 100%																							
<b>VAPOR DENSITY (Air = 1)</b> 3.46 @ 60°F (16°C), 1 ATM		<b>EVAPORATION RATE (BUAC = 1)</b> Approx. 3		<b>SOLUBILITY IN WATER</b> 1.6g/100g																							
VOC STATEMENT: This reactive diluent product is to be used as a diluent with Weld-On 40, Component "A". When used with Weld-On 40, VOC is 0 grams/liter.																											
SECTION IV - FIRE AND EXPLOSION HAZARD DATA																											
<b>FLASH POINT</b> 51°F (11°C) T.C.C.				<b>FLAMMABLE LIMITS</b> (PERCENT BY VOLUME)		<b>LEL</b> 2.1	<b>UEL</b> 12.5																				
<b>FIRE EXTINGUISHING MEDIA</b> Foam, carbon dioxide, dry chemical, water fog (by trained personnel).																											
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> Full protective equipment, including self-contained breathing apparatus, is recommended. Cool containers of material exposed to heat with cold water spray. Use of a water fog by trained personnel can avoid large amounts of water or water streams distributing the burning material over a large area, into sewers or storm drains. Fight fires from a safe distance or protected area.																											
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> 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:

Inhalation     
  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.	POSS.	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 (CO<sup>2</sup>) 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 coated rubber gloves for frequent dipping/immersion. Use of latex nitrile surgical gloves or solvent resistant barrier cream should provide adequate protection when normal solvent-cementing welding practices and procedures are used for solvent welding/bonding of plastic sheet/pipe joints.

**EYE PROTECTION** Splashproof chemical goggles, face shield, safety glasses (spectacles) with brow guards and side shields, etc. as appropriate for exposure.

### 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 between 40°F - 70°F (5°C - 43°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.