GHS SAFETY DATA SHEET

Weld-On® AA3™ Low VOC Solvent Cement for Bonding Acrylics

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Weld-On® AA3™ Low VOC Solvent Cement for Acrylic
PRODUCT USE: Low VOC Solvent Cement for Bonding Acrylics
SUPPLIER: IPS Corporation
MANUFACTURER: IPS Corporation
17109 South Main Street, Carson, CA 90248-3127
P.O. Box 379, Gardena, CA 90247-0379
Tel: 1-310-898-3300

EMERGENCY: Transportation: Tel. 800.424.9300, 703.527.3887 CHEMTREC (International)
Medical: Tel. 800.451.8346, 760.602.8703 3E Company (International)

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION:
Health
Acute Toxicity: Category 4
Skin Sensitization: NO
Eye: Category 2B
Skin Irritation: Category 3
Chronic Toxicity: None Known
Physical
Acute Toxicity: None Known

GHS LABEL: OR Signal Word: Warning
WHMS CLASSIFICATION: CLASS D, DIVISION 1

Precautionary Statements
H320: Causes eye irritation
H336: May cause drowsiness or dizziness
H335: May cause respiratory irritation
P261: Avoid breathing dust/fume/gas/mist/vapor/spray
P337+P313: Get medical advice/attention
P280: Wear protective gloves/protective clothing/eye protection/face protection

* Indicates this chemical is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (40CFR372).

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS</th>
<th>EINECS #</th>
<th>REACH</th>
<th>CONCENTRATION % by Weight Pre-registration Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>75-09-2</td>
<td>200-838-9</td>
<td>Under development</td>
<td>75 - 90</td>
</tr>
<tr>
<td>79-01-6</td>
<td>201-167-4</td>
<td>Under development</td>
<td>5 - 15</td>
</tr>
<tr>
<td>80-62-6</td>
<td>201-297-1</td>
<td>05-2116297731-37-0000</td>
<td>0 - 1</td>
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</tbody>
</table>

Methylene Chloride* (dichloromethane)
Trichloroethylene*
Methyl Methacrylate Monomer, Stabilized (MMA)

All of the constituents of this adhesive product are listed on the TSCA inventory of chemical substances maintained by the US EPA, or are exempt from that listing.

SECTION 4 - FIRST AID MEASURES

Contact with eyes: Flush eyes immediately with plenty of water for 15 minutes and seek medical advice immediately.
Skin contact: Wash skin with soap and water. If irritation develops, get medical attention.
Ingestion: Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice.

SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water fog or fine spray, carbon dioxide, dry chemical or foam.

Unsuitable Extinguishing Media: Dry chemical powder. Health 2 2 1-Slight

Exposure Hazards: Inhalation and dermal contact. Flammability 1 1 2-Moderate

Combustion Products: Hydrogen chloride, trace amounts of chlorine, phosgene. Reactivity 0 0 3-Serious

Protection for Firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing. 4-Severe

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions: Clear all personnel from area. Do not breathe vapors. Ventilate area of leak or spill. Wear protective equipment. Follow confined space entry procedures.

Environmental Precautions: Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.

Materials not to be used for clean up: Zinc, Aluminum or plastic containers

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid breathing of vapor, avoid contact with eyes, skin and clothing. Do not swallow. Use with adequate ventilation.

Storage: Store in a dry place. Keep container tightly closed when not in use. Significant vapor pressures (>5psi) can be generated above 55°F.

Follow all precautionary information on container label, product bulletins and solvent bonding literature.

SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV</th>
<th>ACGIH STEL</th>
<th>OSHA PEL</th>
<th>OSHA STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene chloride (dichloromethane)</td>
<td>50 ppm</td>
<td>100 ppm</td>
<td>25 ppm</td>
<td>N/E</td>
</tr>
<tr>
<td>Trichloroethylene</td>
<td>50 ppm</td>
<td>100 ppm</td>
<td>100 ppm</td>
<td>N/E</td>
</tr>
<tr>
<td>Methyl Methacrylate Monomer, Stabilized (MMA)</td>
<td>50 ppm</td>
<td>100 ppm</td>
<td>100 ppm</td>
<td>N/E</td>
</tr>
</tbody>
</table>

Engineering Controls: Provide general and/or local exhaust ventilation to control airborne levels below exposure guidelines. Lethal concentrations may exist in areas with poor ventilation.

Monitoring: Maintain breathing zone airborne concentrations below exposure limits.

Personal Protective Equipment (PPE):
Eye Protection: Use chemical goggles. If exposure causes eye discomfort, use a full-face respirator.
Skin Protection: Prevent contact with the skin as much as possible. Use protective clothing chemically resistant to this material. Remove contaminated clothing immediately, wash skin area with soap and water and launder clothing before reuse or dispose of properly.
Respiratory Protection: Prevent inhalation of the solvents. Use in a well-ventilated room. Open doors and/or windows to ensure airflow and air changes. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone and to keep contaminants below levels listed above.

With normal use, the Exposure Limit Value will not usually be reached. When limits approached, use respiratory protection equipment.
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, thin liquid
Odor: Irritating
pH: Not Applicable
Melting Freezing Point: -96.7 °C (-142.1 °F) (Methylene Chloride)
Boiling Point: 39.8 °C (104 °F) based on first boiling component: Methylene Chloride
Flash Point: None (Methylene Chloride)
Specific Gravity: 1.32 @23 °C (73.4 °F)
Solubility: 1.3% @ 25°C (Methylene Chloride)
Partition Coefficient n-octanol/water: Not Available
Auto-Ignition Temperature: 556 °C (1033 °F) (Methylene Chloride)
Decomposition Temperature: Not Applicable
VOC Content: When applied as directed, per SCAGMD Rule 1168, Test Method 316A, VOC content is: ≈ 250 g/l.

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions. (See Section 7)
Hazardous decomposition products: Depending on temperature and air supply, may include hydrogen chloride, trace amounts of chlorine, phosgene.
Conditions to avoid: Avoid open flames, welding arcs, or other high temperature sources. Avoid direct sunlight.
Incompatible Materials: Oxidizers, strong bases, amines, metals such as zinc powders, aluminum or magnesium powders, potassium sodium.

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, Eye and Skin Contact
Acute symptoms and effects:
Inhalation: Excessive overexposure may cause irritation to nose and throat. In confined areas, vapor can accumulate and can cause unconsciousness.
Eye Contact: May cause moderate eye irritation which may be slow to heal. May cause slight corneal injury. Vapor may cause mild discomfort and redness.
Skin Contact: Prolonged contact may cause skin burns. May cause more severe response on covered skin (under clothing and gloves).
Immunotoxicity: Low toxicity if small amount swallowed, however larger amounts may cause injury. Aspiration into the lungs may occur during ingestion or vomiting.
Chronic (long-term) effects: IARC Classification 2B (Methylene Chloride)
Toxicity: LD50
Methylene Chloride (dichloromethane) Oral: 1500 - 2500 mg/kg (rat)Derma: Not Determined
Inhalation 7 hrs. >10000 PPM (rat)
Trichloroethylene Oral: 5650 mg/kg (rat)
Inhalation 4 hrs. 12000 PPM (rat)
Methyl Methacrylate Monomer, Stabilized (MMA) Oral: 7900 mg/kg (rat) Derma: >35000 mg/kg (rabbit)
Inhalation: 3 hrs. 7093 PPM (rat)

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: None Known
Mobility: In normal use, emission of volatile organic compounds (VOC's) to the air takes place, typically at a rate of <250 g/l. Mobility in soil is high.
Degradability: Not readily biodegradable
Bioaccumulation: Low

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal expert.

SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name: Dichloromethane (Mixture)
Hazard Class: 6.1
Secondary Risk: None
Identification Number: UN 1593
Packaging Group: PG III
Label Required: Toxic (Domestic USA and International)
Marine Pollutant: NO

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information: Harmful, Suspected Carcinogen
Ingredient Listings: USA TSCA, Europe EINECS, Canada DSL, Australia.
Symbos: Xn
Risk Phrases: R33/35/36: Toxic by inhalation, in contact with skin and if swallowed.
R36/37: Irritating to eyes and respiratory system.
R40: Possible risks of irreversible effects.
Safety Phrases: S2: Keep out of the reach of children.
S22: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27: Keep container tightly closed when not in use.
S29: Do not empty into drains.
S33: Keep container in a well-ventilated place.
S34: Take precautionary measures against static discharge.
S51: Use only in well ventilated areas.
S23/24/25: Avoid breathing vapors, contact with skin and eyes.

SECTION 16 - OTHER INFORMATION

This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.