IPS MATERIAL SAFETY DATA SHEET

Date Revised: JAN 2008
Supersedes: JUN 2005

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

CHEMICAL NAME and FAMILY
Mixture of Organic Solvents

TRADE NAME:
WELD-ON 3 For Acrylics

FORMULA: Proprietary

SECTION II - HAZARDOUS INGREDIENTS

One of the ingredients listed below is listed as a carcinogen (‡) by the IARC and/or NTP

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CAS#</th>
<th>APPROX %</th>
<th>ACGIH-TLV</th>
<th>ACGIH-STEL</th>
<th>OSHA-PEL</th>
<th>OSHA-STEL</th>
<th>DUPONT AEL#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene Chloride (‡)</td>
<td>75-09-2</td>
<td>80 - 95*</td>
<td>50 PPM</td>
<td>25 PPM</td>
<td>125 PPM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimethyl Glutarate</td>
<td>1119-40-0</td>
<td>1 - 15</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>1.5 PPM</td>
<td></td>
</tr>
<tr>
<td>Methyl Methacrylate Monomer</td>
<td>80-62-6</td>
<td>1 - 5</td>
<td>100 PPM</td>
<td>100 PPM</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

# Dupont mfg's Acceptable Exposure Limit (AEL) guidelines for 8 hour TWA.

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.

*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.

PROPOSITION 65 NOTICE

This product contains chemicals known to the state of California to cause cancer.

This material is an aspiration hazard and defats the skin. The ingredients are toxic by inhalation and ingestion and may be absorbed through the skin. Exposure by these routes may cause central nervous system depression, liver and kidney damage and may sensitize the heart muscle. Methylene Chloride may interfere with the oxygen carrying capacity of the blood. Methylene Chloride is a possible human cancer hazard based on test results with laboratory animals. Methylene Chloride has been listed as a potential carcinogen by IARC and NTP. Methylene Chloride is not believed to pose a measurable risk to man when handled as recommended. 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.

SECTION III - PHYSICAL DATA

APPEARANCE
Clear, thin liquid

ODOR
Characteristic odor of chlorinated solvents

BOILING POINT (°F/°C)
104°F (40°C) Based on first boiling component: Methylene Chloride

SPECIFIC GRAVITY @ 73°F ± 3.6°F (23°C ± 2°C)
Typical 1.33 ± 0.040

VAPOR PRESSURE (mm Hg.)
355 mm Hg. @ 68°F (20°C) based on first boiling component, Methylene Chloride

PERCENT VOLATILE BY VOLUME (%)
100%

VAPOR DENSITY (Air = 1)
2.93 based on Methylene Chloride

EVAPORATION RATE (BUAC = 1)
Approx. 14.5 based on Methylene Chloride

SOLUBILITY IN WATER
Slightly miscible

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT
NONE

FLAMMABLE LIMITS (Percent by Volume)
LEL | UEL
N/A | N/A

FIRE EXTINGUISHING MEDIA
Dry chemical, carbon dioxide or foam. Water may be an ineffective extinguishing agent.

SPECIAL FIRE FIGHTING PROCEDURES
The use of a SCBA is recommended for fire fighters. Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Avoid hot surfaces and other sources of ignition.
SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY:  

X Inhalation  X Skin Contact  Eye Contact  Ingestion

EFFECT OF OVEREXPOSURE

ACUTE:  

Inhalation: Exposure to vapors may result in nausea, drowsiness, dizziness, headache, fatigue, other CNS effects and heart arrhythmias (irregular heart beats). Can cause irritation of eyes and nasal passages. Exposure to high concentrations may impair blood's ability to transport oxygen. Prolonged or repeated exposure to vapors may cause liver and kidney damage.

Skin Contact: Repeated or prolonged contact may result in defatting of skin, irritation, contact dermatitis, rash, itching, swelling. May be absorbed through skin.

Eye Contact: Direct exposure may result in irritation of corneal or conjunctival inflammation if not removed promptly. Vapors may irritate eyes.

Ingestion: Moderately toxic. Irritant to digestive tract, may induce signs of central nervous system depression. Do not induce vomiting and obtain prompt medical attention.

CHRONIC:  

Inhalation: † This material is an aspiration hazard and defats the skin. The ingredients are toxic by inhalation and ingestion and may be absorbed through the skin. Exposure through these routes may cause central nervous system depression, liver and kidney damage and may sensitise the heart muscle. Methylene Chloride may interfere with the oxygen carrying capacity of the blood. Methylene Chloride is a possible human cancer based on test results with laboratory animals. Methylene Chloride has been listed as a potential carcinogen by IARC and NTP. Methylene Chloride is not believed to pose a measureable risk to man when handled as recommended. 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.

Ingestion: Ingestion of alcohol may increase the potential for development of toxic effects or reactions resulting from Methylene Chloride exposure.

OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES

PROTECTIVE GLOVES: PVA coated or Latex-Nitrile rubber. Surgical gloves or gloves with impervious barrier layer are optional.

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

STABILITY: UNSTABLE

CONDITIONS TO AVOID: Stable under normal conditions of storage and handling. Avoid contact or exposure to fire, heat, sparks, electric arcs, open flame and hot surfaces which can cause thermal decomposition.

INCOMPATIBILITY: Strong alcohols, oxygen, nitrogen, peroxide, potassium and reactive metals.

HAZARDOUS DECOMPOSITION PRODUCTS

This product gives out carbon monoxide (CO), carbon dioxide (CO$_2$), Phosgene gas and smoke upon combustion or contact with reactive metals.

HAZARDOUS POLYMERIZATION: MAY OCCUR

CONDITIONS TO AVOID: Keep away from heat, sparks, open flame and other sources of ignition.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Evacuate area, ventilate and avoid breathing vapors. Dike area to contain spill. Clean up area (wear protective equipment) by mopping or with absorbent material and place in closed containers for disposal. Avoid contamination of ground and surface waters. Do not flush to sewer. If spill occurs indoors, turn off heating and/or air conditioning systems to prevent vapors from contaminating entire building.

WASTE DISPOSAL METHOD

Recovered liquids may be sent to a licensed reclaimer or incineration facility. Contaminated material must be disposed of in a permitted solid waste management facility. 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 positive-pressure, full-facepiece SCBA or positive-pressure, full-facepiece supplied air respirator (with an auxiliary positive pressure SCBA) is recommended. Even for emergency and other conditions where short term exposure guidelines may/may not be exceeded, use of an approved positive pressure self-contained breathing apparatus (SCBA) is recommended.

VENTilation

Use only with adequate ventilation. Do not use in close quarters or confined spaces. 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 25 ppm TWA. Use only explosion-proof ventilation equipment. Monitoring should be performed to determine exposure level(s) IAW (in accordance with) 29 CFR 1910.1052.

PROTECTIVE GLOVES: PVA coated or Latex-Nitrile rubber. Surgical gloves or solvent resistant barrier creme should provide adequate protection in normal usage. EYE PROTECTION: Splashproof chemical goggles, face shield, safety glasses 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 shaded place below 80°F (27°C). Keep away from all sources of heat, sparks, open flame and other sources of ignition. Close container after each use. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. 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.

WARNING: This product may not be used in areas bounded by Southern California's South Coast Air Quality Management District (SCAQMD)

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.

Sheet 2 of 2

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