SECTION I

MANUFACTURER'S NAME
IPS Corporation

ADDRESS
17109 S. Main St., P.O. Box 379, Gardena, CA. 90248

CHEMICAL NAME and FAMILY
Solvent Cement for PVC Plastic Electrical Conduit
Mixture of PVC Resin and Organic Solvents

TRADE NAME:
WELD-ON, DUIT 2411™ Low VOC Plastic Pipe Cement for Electrical Conduit

FORMULA: Proprietary

SECTION II - HAZARDOUS INGREDIENTS

None of the ingredients below are listed as carcinogens by IARC, NTP or OSHA

<table>
<thead>
<tr>
<th>CAS#</th>
<th>APPROX %</th>
<th>ACGIH-TLV</th>
<th>ACGIH-STEL</th>
<th>OSHA-PEL</th>
<th>OSHA-STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyvinyl Chloride Resin (PVC)</td>
<td>NON/HAZ</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tetrahydrofuran (THF)**</td>
<td>109-99-9</td>
<td>31 - 54</td>
<td>50 PPM# Skin</td>
<td>100 PPM</td>
<td>200 PPM</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone (MEK)</td>
<td>78-93-3</td>
<td>9 - 23*</td>
<td>200 PPM</td>
<td>300 PPM</td>
<td>200 PPM</td>
</tr>
<tr>
<td>Cyclohexanone</td>
<td>108-94-1</td>
<td>11 - 15</td>
<td>20 PPM Skin</td>
<td>50 PPM</td>
<td></td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>5 - 18</td>
<td>500 PPM</td>
<td>750 PPM</td>
<td>750 PPM</td>
</tr>
</tbody>
</table>

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.

**Information found in a report from the National Toxicology Program (NTP) on an inhalation study in rats and mice suggests that Tetrahydrofuran (THF) can cause tumors in animals. In the study the rats and mice were exposed to THF vapor levels up to 1800 PPM for two years (their lifetime), 6 hours/day, 5 days/week. Test results showed evidence of liver tumors in female mice and kidney tumors in male rats. No evidence of tumors was seen in female rats and male mice. There is no data linking Tetrahydrofuran exposure with cancer in humans.

SECTION III - PHYSICAL DATA

APPEARANCE
Gray, heavy syrupy liquid

ODOR
Ethereal

BOILING POINT (°F/°C)
151 °F (67°C) Based on first boiling component: THF

SPECIFIC GRAVITY @ 73 °F ± 3.6 ° (23 °C ± 2 °)
Typical 0.97 ± 0.040

VAPOR PRESSURE (mm Hg.)
143 mm Hg. based on first boiling component. THF @ 68 °F (20 °C)

PERCENT VOLATILE BY VOLUME (%)
Approx: 65 - 80 %

VAPOR DENSITY (Air = 1)
2.49

EVAPORATION RATE (BUAC = 1)
> 1.0

SOLUBILITY IN WATER
Solvent portion completely soluble in water. Resin portion separates out.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT
-4 °F (-20 °C) T.C.C. Based on THF

FLAMMABLE LIMITS (PERCENT BY VOLUME)
LEL
UEL
2.0
11.8

FIRE EXTINGUISHING MEDIA
Ansl “Purple K” potassium bicarbonate dry chemical, carbon dioxide, National Aer-O-Foam universal alcohol resistant foam, water spray.

SPECIAL FIRE FIGHTING PROCEDURES
Evacuate enclosed areas. Stay upwind. Close or confined quarters require self-contained breathing apparatus, positive pressure masks or airline masks. Use water spray to cool containers, to flush spills from source of ignition and to disperse vapors.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Fire hazard because of low flash point and high volatility. Vapors are heavier than air and may travel to source(s) of ignition at or near floor or lower levels and flash back.
SECTION V - HEALTH HAZARD DATA

Primary Routes

Of Entry:  
- Inhalation (X)  
- Skin Contact (X)  
- Eye Contact  
- Ingestion  

Effect of Overexposure

Acute:
- Inhalation: Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.
- Skin Contact: Skin irritant. Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact.
- Eye Contact: Prolonged or widespread exposure may result in the absorption of harmful amounts of material.
- Ingestion: Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid. Vapors slightly uncomfortable.

Chronic:
Symptoms of respiratory tract irritation and damage to respiratory epithelium were reported in rats exposed to 5000 ppm THF for 90 days. Elevation of SGPT suggests a disturbance in liver function. The NOEL was reported to be 200 ppm.

Reproductive Effects
- Teratogenicity: N. AP.
- Mutagenicity: N. AP.
- Embryotoxicity: N. AP.
- Sensitization to product: N. AP.
- Synergistic products: N. AP.

Medical Conditions Aggravated by Exposure:
Individuals with pre-existing diseases of the eyes, skin or respiratory system may have increased susceptibility to the toxicity of excessive exposures.

Emergency and First Aid Procedures

Inhalation: If overcome by vapors, remove to fresh air and if breathing stopped, give artificial respiration. If breathing is difficult, give oxygen. Call physician.
Skin Contact: Flush eyes with plenty of water for 15 minutes and call a physician.
Skin Contact: Remove contaminated clothing and shoes. Wash skin with plenty of soap and water for at least 15 minutes. If irritation develops, get medical attention.
Skin Contact: 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
- Stable (X) Keep away from heat, sparks, open flame and other sources of ignition.

Incompatibility
(Materials to Avoid)
- Caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.

Hazardous Decomposition Products
- When forced to burn, this product gives out carbon monoxide, carbon dioxide, hydrogen chloride and smoke.

Hazardous Polymerization
- May Occur
- Will Not Occur (X) 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
Eliminate all ignition sources. Avoid breathing of vapors. Keep liquid out of eyes. Flush with large amount of water. Contain liquid with sand or earth. Absorb with sand 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. Consult disposal expert. Can be disposed of by incineration. Excessive quantities should not be permitted to enter drains. Empty containers should be air dried before disposing. Hazardous Waste Code: 214.

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 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 creme should provide adequate protection when normal solvent-cementing practices and procedures are used for making plastic weld pipe joints.

Eyes 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 the shade between 40°F - 110°F (5°C - 43.7°C). Keep away from heat, sparks, open flame and other sources of ignition. Avoid prolonged breathing of vapor.
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.

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.