SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: WELD-ON® P-70™ Low VOC Primer for PVC and CPVC Plastic Pipe
PRODUCT USE: Low VOC Primer for PVC and CPVC Plastic Pipe
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: CHEMTEL Tel. 800.255-3924, 813-248-0585 (International)
Medical: Tel. 800.451.8346, 760.602.8703 3E Company (International)

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION:
- Acute Toxicity: Category 4
- Chronic Toxicity: None Known
- Skin Sensitization: NO
- Eye: Category 2B

GHS LABEL: Signal Word: Danger

Precautionary Statements:
- P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
- P280: Wear protective gloves/protective clothing/eye protection/face protection
- P501: Dispose of contents/container in accordance with local regulation

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS#</th>
<th>EINECS #</th>
<th>Pre-registration Number</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrahydrofuran (THF)</td>
<td>109-99-9</td>
<td>203-726-8</td>
<td>05-2116297729-22-0000</td>
<td>45 - 59</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone (MEK)</td>
<td>78-93-3</td>
<td>201-159-0</td>
<td>05-2116297728-24-0000</td>
<td>19 - 29</td>
</tr>
<tr>
<td>Cyclohexanone</td>
<td>108-94-1</td>
<td>203-631-1</td>
<td>05-2116297718-25-0000</td>
<td>5 - 15</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>200-662-2</td>
<td>05-2116297713-35-0000</td>
<td>5 - 20</td>
</tr>
</tbody>
</table>

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.

* 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).
# indicates that this chemical is found on Proposition 65's List of chemicals known to the State of California to cause cancer or reproductive toxicity.

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: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If irritation develops, seek medical advice.
Inhalation: Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice.
Ingestion: Rinse mouth with water. Give 1 or 2 glasses of water or milk to dilute. Do not induce vomiting. Seek medical advice immediately.

SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical powder, carbon dioxide gas, foam, Halon, water fog.
Unsuitable Extinguishing Media: Water spray or stream.
Exposure Hazards: Flammability 3 3 2 - Moderate
Combustion Products: Oxides of carbon and smoke

Protection for Firefighters: Self-contained breathing apparatus or full-face positive pressure airline masks.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep away from heat, sparks and open flame.
Prevent contact with skin or eyes (see section 8).
Prevent contact with the skin as much as possible. Butyl rubber gloves should be used for frequent immersion.

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid breathing of vapor, avoid contact with eyes, skin and clothing.
Keep away from ignition sources, use only electrically grounded handling equipment and ensure adequate ventilation/fume exhaust hoods.
Do not eat, drink or smoke while handling.

Storage: Store in ventilated room or shade below 44 °C (110 °F) and away from direct sunlight.
Keep away from ignition sources and incompatible materials: caustics, ammonia, morganic acids, chlorinated compounds, strong oxidizers and isocyanates.

SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

Exposure Limits:

<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>Tetrahydrofuran (THF)</td>
<td>50 ppm</td>
<td>100 ppm</td>
<td>200 ppm</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone (MEK)</td>
<td>200 ppm</td>
<td>300 ppm</td>
<td>200 ppm</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Cyclohexanone</td>
<td>20 ppm</td>
<td>50 ppm</td>
<td>50 ppm</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Acetone</td>
<td>500 ppm</td>
<td>750 ppm</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
</tr>
</tbody>
</table>

Engineering Controls: Use local exhaust as needed.

Monitoring: Maintain breathing zone airborne concentrations below exposure limits.

Personal Protective Equipment (PPE):
Eye Protection: Avoid contact with eyes, wear splash-proof chemical goggles, face shield, safety glasses (spectacles) with brow guards and side shields, etc. as may be appropriate for the exposure.
Skin Protection: Prevent contact with the skin as much as possible. Butyl rubber gloves should be used for frequent immersion.
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

<table>
<thead>
<tr>
<th>Physical Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear or purple, thin liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Ethereal</td>
</tr>
<tr>
<td>Melting/Freezing Point</td>
<td>-108.5°C (-163.3°F)</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>58°C (133°F)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>-20°C (-4°F)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.858 @23°C (73°F)</td>
</tr>
<tr>
<td>Solubility</td>
<td>Solvent portfolio soluble in water. Resin portion separates out.</td>
</tr>
<tr>
<td>Partition Coefficient n-octanol/water</td>
<td>Not Available</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>321°C (610°F) based on THF</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>VOC Content</td>
<td>When applied as directed, per SCAQMD Rule 1168, Test Method 316A&gt;VOC content is: &lt; 550 g/I.</td>
</tr>
</tbody>
</table>

### SECTION 10 - STABILITY AND REACTIVITY

- **Stability:** Stable  
- **Hazardous decomposition products:** None in normal use. When forced to burn, this product gives off oxides of carbon and smoke.
- **Conditions to avoid:** Keep away from heat, sparks, open flame and other ignition sources.
- **Incompatible Materials:** Oxidizers, strong acids and bases, amines, ammonia

### SECTION 11 - TOXICOLOGICAL INFORMATION

#### Likely Routes of Exposure:
- Inhalation: Inhalation, Eye and Skin Contact
- Acute symptoms and effects:
  - Inhalation: Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.
  - Eye Contact: Vapors slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid.
  - Skin Contact: Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact.
  - Ingestion: May cause nausea, vomiting, diarrhea and mental sluggishness.
- Chronic (long-term) effects: None known to humans
- **Toxicity:**
  - LD50: None
  - LC50: None

#### Reproductive Effects
- Not Established
- **Teratogenicity:** Not Established
- **Mutagenicity:** Not Established
- **Embryotoxicity:** Not Established
- **Sensitization to Product:** Not Established
- **Synergistic Products:** Not Established

### SECTION 12 - ECOTOLOGICAL INFORMATION

- **Ecotoxicity:** None Known
- **Mobility:** None
- **Degradability:** Biodegradable
- **Bioaccumulation:** Minimal to none.

### SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal expert.

### SECTION 14 - TRANSPORT INFORMATION

#### DOT Limited Quantity:
Up to 1L per inner packaging, 30 kg gross weight per package.

#### Consumer Commodity:
Depending on packaging, these quantities may qualify under DOT as "ORM-D".

### SECTION 15 - REGULATORY INFORMATION

#### Precautionary Label Information:
- **Highly Flammable, Irritant**
- **Usually Avoided**
- **Risk Phrases:**
  - R11: Highly flammable.
  - R20: Harmful by ingestion.
  - R36/37: Irritating to eyes and respiratory system.
- **Safety Phrases:**
  - S9: Keep container in a well-ventilated place.
  - S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
  - S16: Keep away from sources of ignition - No smoking.
  - S33: Take precautionary measures against static discharges.
  - S25: Avoid contact with eyes.
  - S46: If swallowed, seek medical advise immediately and show this container or label.

### SECTION 16 - OTHER INFORMATION

- **Specification Information:**
  - IPS, Safety Health & Environmental Affairs
  - All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).
- **Training necessary:** Yes, training in practices and procedures contained in product literature.
- **Reissue date / reason for reissue:** 12/14/2011 / Updated GHS Standard Format
- **Intended Use of Product:** Primer for PVC and CPVC Plastic Pipe

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.