**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** WELD-ON® 711™ Low VOC PVC Plastic Pipe Cements  
**PRODUCT USE:** Low VOC Solvent Cement for PVC Plastic Pipe  
**SUPPLIER:** IPS Corporation  
**MANUFACTURER:** IPS Corporation  

**EMERGENCY:** Transportation: CHEMTEL Tel. 800-255-3924, +1 813-248-0585 (International)  
Medical: CHEMTEL Tel. 800-255-3924, +1 813-248-0585 (International)

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**SECTION 2 - HAZARDS IDENTIFICATION**

**GHS CLASSIFICATION:**  
- Health: Category 4  
- Environmental: Category 3  
- Physical: Category 2  
- Acute Toxicity: None Known  
- Chronic Toxicity: None Known  
- Flammable Liquid: Category 2

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**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>ENRCS #</th>
<th>CONCENTRATION</th>
<th>Pre-registration Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrahydrofuran</td>
<td>109-99-9</td>
<td>200-726-8</td>
<td>40 - 50</td>
<td>05-2116297729-22-0000</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone (MEK)</td>
<td>78-93-3</td>
<td>201-159-0</td>
<td>5 - 15</td>
<td>05-2116297728-24-0000</td>
</tr>
<tr>
<td>Cyclohexanone</td>
<td>108-94-0</td>
<td>200-631-0</td>
<td>9 - 18</td>
<td>05-2116297718-25-0000</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>200-662-2</td>
<td>3 - 11</td>
<td>05-2116297713-35-0000</td>
</tr>
</tbody>
</table>

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**SECTION 4 - FIRST AID MEASURES**

**Contact with eyes:** Wash eyes immediately and promptly see a doctor.  
**Skin contact:** Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water.  
**Inhalation:** Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen.  
**Ingestion:** Rinse mouth with water. Give 1 or 2 glasses of water or milk to dilute. Do not induce vomiting. See medical advice immediately.

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**SECTION 5 - FIREFIGHTING MEASURES**

**Unsuitable Extinguishing Media:** Water spray or stream.  
**Exposure Hazards:** Inhalation and dermal contact.  
**Combustion Products:** Oxides of carbon, hydrogen chloride and smoke.  
**Protection for Firefighters:** Self-contained breathing apparatus or full-face positive pressure airline masks.

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**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Keep away from heat, sparks and open flame.  
**Environmental Precautions:** Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.  
**Methods for Cleaning up:** Clean up with sand or other inert absorbent material. Transfer to a closable steel vessel.

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**SECTION 7 - HANDLING AND STORAGE**

**Handling:** Avoid breathing of vapor, avoid contact with eyes, skin and clothing.  
**Storage:** Store in ventilated room or shade below 44°C (110°F) and away from direct sunlight.

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**SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION**

**Engineering Controls:** Use local exhaust as needed.  
**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 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:** Gray, heavy syrupy liquid
- **Odor:** Ketone
- **Odor Threshold:** 0.88 ppm (Cyclohexanone)
- **pH:** Not Applicable
- **Melting/Freezing Point:** -108.5°C (-163.3°F) based on first melting component: THF
- **Boiling Point:** 56°C (133°F) based on first boiling component: Acetone
- **Flash Point:** -20°C (-4°F) TCC based on Acetone
- **Specific Gravity:** 0.966 (23°C / 73°F)
- **Solubility:** Solvent portion soluble in water. Resin portion separates out.
- **Partition Coefficient n-octanol/water:** Not Available
- **Decomposition Temperature:** Not Applicable
- **VOC Content:** When applied as directed, per SCAQMD Rule 1168, Test Method 316A VOC content is: ≤ 510 g/l.

**Risk Phrases:**
- R36/37: Irritating to eyes and respiratory system.
- R20: Harmful by inhalation.
- R22: Sufficiently flammable to cause fire risk.
- R23: May cause drowsiness or dizziness.
- R24: Harmful by inhalation.
- R36: May cause drowsiness or dizziness.
- R37/38: Causes眼 irritation and respiratory irritation.
- R66/67: May cause drowsiness and dizziness.

**Safety Phrases:**
- S1: Use ventilation system.
- S2: Keep away from heat, sparks, open flame and other ignition sources.
- S21: Take precautionary measures against static discharges.
- S24: Avoid contact with skin.
- S25: Avoid contact with eyes.
- S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S31: Take precautionary measures against static discharges.
- S32: Avoid direct contact with skin.
- S33: Take precautionary measures against static discharges.
- S36: Wear protective gloves and eye protection.
- S37: Wear eye protection.
- S40: Wear self-contained breathing apparatus.
- S41: Wear protective gloves and eye protection.
- S45: Take precautions. Keep out of the reach of children.
- S46: If swallowed, seek medical advice immediately and show this container or label.

**ECOHazard Class:** Not Established

**Toxicity:**
- **LD50:** Oral: 2842 mg/kg (rat) Inhalation 5 hrs. 21,000 mg/m³ (rat)
- **LC50:** Oral: 5800 mg/kg (rat) Inhalation 6 hrs. 8,000 PPM (rat)

**Reproductive Effects:**

- **Mutagenicity:**

- **Sensitization to Product:**

- **Synergistic Products:**

**Ecotoxicity:**
- None Established

**Mobility:**
- None in normal use. When forced to burn, this product gives off oxides of carbon, hydrogen chloride and smoke.

**Bioaccumulation:**
- Minimal to none.

**Inhalation: 8 hrs. 23,500 mg/m³**

**Inhalation: 4 hrs. 8,000 PPM**

**Inhalation: 50,100 mg/m³**

**TDC INFORMATION**

**Shipping Name:** Adhesives

**UN Number/Packing Group:** UN 1133, PG II

**DOT Limited Quantity:** Up to 5L per inner packaging, 30 kg gross weight per package.

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

**EXCEPTION for Ground Shipping**

**DOT-class:** FLAMMABLE LIQUID 3

**ADR:**

**EH 40:**

**Note:** 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.

**DATE REVISED: JUL 2015**

**SUPERSESSED: APR 2015**