**SECTION I - PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** WELD-ON® 719™ Clear Low VOC Plastic Pipe Cements

**PRODUCT USE:** Low VOC Solvent Cement for PVC Plastic Pipe

**SUPPLIER:**

**MANUFACTURER:** IPS Corporation

17109 South Main Street, Gardena, CA 90248-3127
P.O. Box 379, Gardena, CA 90247-0379
Tel: 1-310-898-3000

**EMERGENCY:** Transportation: CHEMTEL Tel. 800-255-3924, +1 813-248-0585 (International)
Medical: CHEMTEL Tel. 800-255-3924, +1 813-248-0586 (International)

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**SECTION II - HAZARDS IDENTIFICATION**

**GHS CLASSIFICATION:**

<table>
<thead>
<tr>
<th>Health</th>
<th>Acute Toxicity: Category 4</th>
<th>Environmental</th>
<th>Chronic Toxicity: None Known</th>
<th>Physical</th>
<th>Flammable Liquid: Category 2</th>
</tr>
</thead>
</table>

**GHS LABEL:**

Signal Word: Danger

WHMIS CLASSIFICATION: CLASS B, DIVISION 2

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

- **CAS:** Tetrahydrofuran (THF) 109-99-9, 203-726-8, 01-2119444314-46-0000 45 - 60%
- **CAS:** Cyclohexanone 108-94-1, 203-631-1, 01-2119453616-35-0000 9 - 18%
- **CAS:** Acetone 67-64-1, 200-662-2, 01-2119741330-49-0000 3 - 11%

**EXPOSURE LIMITS:**

<table>
<thead>
<tr>
<th>Component</th>
<th>ACS</th>
<th>OSHA 8-hr TLV</th>
<th>OSHA 8-hr PEL</th>
<th>OSHA 15 min STEL</th>
<th>OSHA PEL-Ceiling</th>
<th>CAL/OSHA 8-hr STEL</th>
<th>CAL/OSHA 15 min STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>THF</td>
<td>50 ppm</td>
<td>100 ppm</td>
<td>200 ppm</td>
<td>N/E</td>
<td>N/E</td>
<td>200 ppm</td>
<td>N/E</td>
</tr>
<tr>
<td>Cyclohexanone</td>
<td>50 ppm</td>
<td>100 ppm</td>
<td>200 ppm</td>
<td>N/E</td>
<td>N/E</td>
<td>200 ppm</td>
<td>N/E</td>
</tr>
<tr>
<td>Acetone</td>
<td>250 ppm</td>
<td>500 ppm</td>
<td>1000 ppm</td>
<td>500 ppm</td>
<td>500 ppm</td>
<td>3000 ppm</td>
<td>750 ppm</td>
</tr>
</tbody>
</table>

**EMERGENCY: Inhalation, Eye and Skin Contact**

None Known

**Inhalation:** Keep away from heat/sparks/open flames/hot surfaces – No smoking. Keep away from ignition sources and incompatible materials: caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.

**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.

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**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:** For breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice immediately.

**Ingestion:** Give 1 or 2 glasses of water or milk to dilute. Do not induce vomiting. Seek medical advice immediately.

**Signal Word:** EUH019: May form explosive peroxides. EUH029: May be harmful by inhalation. EUH031: May be harmful if swallowed.

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**SECTION 5 - FIREFIGHTING MEASURES**

**Suitable Extinguishing Media:** Water spray or stream.

**Unsuitable Extinguishing Media:** Dry chemical powder, carbon dioxide gas, foam, Halon, water fog.

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

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**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Keep away from heat, sparks and open flame. Provide sufficient ventilation, use explosion-proof exhaust ventilation equipment or wear suitable respiratory protective equipment. Prevent contact with skin or eyes (see section 8).

**Environmental Precautions:** Keep away from irrigation systems and incompatible materials: caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.

**Methods for Cleaning up:** Clean up with sand or other inert absorbent material. Transfer to a closable steel vessel.

**Materials not to be used for clean up:** Aluminum or plastic containers.

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**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.

**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**

**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.

**Engineering Controls:** Use local exhaust ventilation to remove airborne contaminants from employee breathing zone and to keep contaminants below levels listed above.

**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.
**Section 9 - Physical and Chemical Properties**

- **Appearance:** Gray or Clear, extra heavy syrupy liquid
- **Odor:** Ketone
- **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:** 0.976 @23°C (73°F)
- **Solubility:** Solvent portion soluble in water. Resin portion separates out.
- **Partition Coefficient n-octanol/water:** Not Available
- **Auto-Ignition Temperature:** 321°C (610°F) based on THF
- **Decomposition Temperature:** Not Applicable
- **VOC Content:** When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: ≤ 510 g/l.

**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, hydrogen chloride 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**

- **Toxicity:** 
  - LD₅₀: Oral: 2842 mg/kg (rat)
  - Inhalation: 3 hrs. 21,000 mg/m³ (rat)
- **Cyclohexanone:** 
  - LD₅₀: Oral: 1535 mg/kg (rat), Dermal: 948 mg/kg (rabbit)
  - Inhalation: 4 hrs. 8,000 PPM (rat)
- **Acetone:** 
  - LD₅₀: Oral: 5800 mg/kg (rat)
  - Inhalation: 50,100 mg/m³ (rat)

<table>
<thead>
<tr>
<th>Reproductive Effects</th>
<th>Teratogenicity</th>
<th>Mutagenicity</th>
<th>Embryotoxicity</th>
<th>Sensitization to Product</th>
<th>Synergistic Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Established</td>
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<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

**Section 12 - Ecological Information**

- **Ecotoxicity:** None Known
- **Mobility in Soil:** If released into the environment, this product can move rapidly through the soil.
- **Degradability:** Not readily biodegradable
- **Bioaccumulation:** Minimal to none.

**Section 13 - Waste Disposal Considerations**

Follow local and national regulations. Consult disposal expert.

**Section 14 - Transport Information**

- **Proper Shipping Name:** Adhesives
- **Hazard Class:** 3
- **Secondary Risk:** None
- **Identification Number:** UN 1133
- **Packing Group:** PG II
- **Label Required:** Class 3 Flammable Liquid
- **Marine Pollutant:** NO

**Section 15 - Regulatory Information**

- **Precautionary Label Information:** Highly Flammable, Irritant, Carc. Cat. 2
- **Symbols:** F, Xi
- **Risk Phrases:** R11: Highly flammable. R20: Harmful by inhalation. R26: Repeated exposure may cause skin dryness or cracking
- **Safety Phrases:** S9: Keep container in a well-ventilated place. S16: Keep away from sources of ignition - No smoking. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S33: Take precautionary measures against static discharges. S25: Avoid contact with eyes.
- **Compliance Statement:** This SDS was prepared to be in accordance with: US OSHA Hazard Communication Standard 29 CFR 1910.1200 (Rev 2012) European Regulation (EC) No (EU) 2015/830 on classification, labelling and packaging of substances and mixtures

**Section 16 - Other Information**

- **Specification Information:** IPS, Safety Health & Environmental Affairs
- **E-mail address:** <EHSInfo@ipscorp.com>
- **Training necessary:** Yes, training in practices and procedures contained in product literature.
- **Revision date for reissue:** 1/11/2019 / Updated GHS Standard Format

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.