SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: WELD-ON® 727™ Hot 'R Cold™ Low VOC Cement for Plastic Pipe
PRODUCT USE: Low VOC Solvent Cement for PVC Plastic Pipe
SUPPLIER: IPS Corporation
MANUFACTURER: WELD-ON® 727™ Hot 'R Cold™ Low VOC Cement for Plastic Pipe

EMERGENCY: Transportation: CHEMTEL Tel. 800.255-3924, +1 813-248-5585 (International)
Medical: CHEMTEL Tel. 800.255.3924, +1 813-248-0585 (International)

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Statements:
- Hazard Statements: EUH019: May form explosive peroxides
- Hazard Statements: H336: May cause drowsiness or dizziness
- Hazard Statements: H335: May cause respiratory irritation
- Hazard Statements: H319: Causes serious eye irritation

Precautionary Statements:
P261: Avoid breathing dust/fume/gas/mist/vapors/spray
P280: Wear protective gloves/protective clothing/eye protection/face protection

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

GHS LABEL:
- Signal Word: Danger
- WHMIS CLASSIFICATION: CLASS B, DIVISION 2

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

EXPOSURE LIMITS:

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>ISHA STEL</th>
<th>OSHA STEL</th>
<th>CAL/OSHA PEL/Ceiling</th>
<th>CAL/OSHA STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrahydrofuran (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>
</tr>
<tr>
<td>Acetone</td>
<td>500 ppm</td>
<td>750 ppm</td>
<td>1000 ppm</td>
<td>N/E</td>
<td>N/E</td>
<td>500 ppm</td>
</tr>
</tbody>
</table>

PHOTO TOXICITY:

<table>
<thead>
<tr>
<th>CONCENTRATION</th>
<th>Acute Toxicity</th>
<th>Skin Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 ppm</td>
<td>None Known</td>
<td>None Known</td>
</tr>
<tr>
<td>500 ppm</td>
<td>None Known</td>
<td>None Known</td>
</tr>
<tr>
<td>750 ppm</td>
<td>None Known</td>
<td>None Known</td>
</tr>
</tbody>
</table>

Environmental:

- Inhalation and dermal contact:
- Flammability:
- Reactivity:
- PPE:
- 108-94-1
- 1000 ppm
- 2-Moderate
- 0
- 4-Severe

SECTION 4 - FIRST AID MEASURES

- Contact with eyes:
  - Rinse 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 immediately.
- Ingestion:
  - 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:
  - Reactivity:
- Combustion Products:
  - Oxides of carbon, hydrogen chloride and smoke.
- PPE:
  - B

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- Personal Precautions:
  - Keep away from heat, sparks and open flame.
- Environmental Precautions:
  - Keep away from ignition sources 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.

SECTION 7 - HANDLING AND STORAGE

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

SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

- Engineering Controls:
  - Use local exhaust as needed.
- Monitoring:
  - Maintain breathing zone airborne concentrations below exposure limits.

- Personal Protective Equipment (PPE):
  - Eye Protection:
  - Use 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 windows to ensure airflow and air changes.

- WITH EUH019:
  - May cause nausea, vomiting, diarrhea and mental sluggishness.

- Category 2: Carcinogen

- Category 2: Moderate

- Category 3: Serious

- Category 4: Severe

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 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Clear, medium syrupy liquid
Odor: Ketone
pH: Not Applicable
Melting/Freezing Point: -108.5°C (133.3°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: 0.934 @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
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:
- Tetrahydrofuran (THF): Oral LD50: 2842 mg/kg (rat), Inh. LC50: 3 hrs. 21,000 mg/m³ (rat)
- Methyl Ethyl Ketone (MEK): Oral LD50: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit)
- Cyclohexanone: Oral LD50: 1535 mg/kg (rat), Dermal: 948 mg/kg (rabbit)
- Acetone: Oral LD50: 5800 mg/kg (rat)

Reproductive Effects: Not Established
Mutagenicity: Not Established
Embryotoxicity: Not Established
Sensitization to Product: Not Established
Synergistic Products: None

**SECTION 12 - ECOLOGICAL INFORMATION**

Ecotoxicity: None Known
Mobility: In normal use, emission of volatile organic compounds (VOC's) to the air takes place, typically at a rate of ≤ 510 g/l.
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

**TDG INFORMATION**
- TDG CLASS: FLAMMABLE LIQUID 3
- SHIPING NAME: ADHESIVES
- UN NUMBER/PACKING GROUP: UN 1133, PG II

**EXCEPTION for Ground Shipping**
- 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”.

**SECTION 15 - REGULATORY INFORMATION**

Precautionary Label Information:
- Highly Flammable, Irritant, Carc. Cat. 2
- Flammable, Acute 1, Toxicity, Harmful to Aquatic Life
- Harmful to Organisms in the Aquatic Environment
- Harmful to Land Environment

Risk Phrases: R11: Highly Flammable, R26: Repeated exposure may cause skin dryness or cracking, R36/37: Irritating to eyes and respiratory system, R67: Vapors may cause drowsiness and dizziness

Safety Phrases: S2: Keep out of the reach of children, S23: Avoid contact with eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S45: Take precautionary measures against static discharges.
S51: Keep away from sources of ignition - No smoking.

**SECTION 16 - OTHER INFORMATION**

Specification Information:
- Department issuing data sheet: IPS, Safety Health & Environmental Affairs
- All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).
- E-mail address: <EHSinfo@ipscorp.com>
- Training necessary: Yes, training in practices and procedures contained in product literature.
- Reissue date / reason for reissue: 3/20/2018 / Updated GHS Standard Format
- Intended Use of Product: Solvent Cement for PVC 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.