**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** CANTEX ALL WEATHER CLR Low VOC Cement for Plastic Pipe  
**PRODUCT USE:** Low VOC Solvent Cement for PVC Plastic Pipe  
**SUPPLIER:** IPS Corporation  
**MANUFACTURER:** IPS Corporation  
**Address:** 17109 South Main Street, Gardena, CA 90248-3127  
**P.O. Box:** 373, Gardena, CA 90247-0379  
**Telephone:** 1-310-898-3300  
**EMERGENCY:** CHEMTEL Tel. 800-255-3924, +1 813-248-0585 (International)  
**Medical:** CHEMTEL Tel. 800-255-3924, +1 813-248-0585 (International)

**SECTION 2 - HAZARDS IDENTIFICATION**

**GHS CLASSIFICATION:**  
**Acute Toxicity:** Category 4  
**Environmental Toxicity:** None Known  
**Skin Sensitization:** No  
**Eye:** Category 2  
**Flammable Liquid:** Category 2  
**Physical:** Category 2

**GHS LABEL:**  
**Signal Word:** Danger

**Hazard Statements**  
**Precautionary Statements**  
- P270: Keep away from heat, sparks and open flame.  
- P280: Use respiratory protection.  
- P313: Avoid contact with eyes, skin and clothing.  
- P337+P313: Get medical advice/attention

**EXPOSURE LIMITS:**

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV</th>
<th>ACGIH STEL</th>
<th>OSHA PEL</th>
<th>OSHA STEL</th>
<th>CAL/OSHA PEL</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>N/E</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone (MEK)</td>
<td>200 ppm</td>
<td>300 ppm</td>
<td>300 ppm</td>
<td>N/E</td>
<td>N/E</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>N/E</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.  

Follow all precautionary information on container label, product bulletins and solvent cementing literature.

**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:** 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.  

Use of solvent-resistant gloves or solvent-resistant barrier cream should provide adequate protection when normal adhesive application practices and procedures are used for making structural bonds.  

**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 6 - ACCIDENTAL RELEASE MEASURES**

**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.

Keep away from ignition sources, use only electrically grounded handling equipment and ensure adequate ventilation/fume exhaust hoods.

Provide sufficient ventilation, use explosion proof exhaust ventilation equipment or wear suitable respiratory protective equipment.

Prevent contact with skin or eyes (see section 8).

Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.

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.

Prepare 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 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.

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.

Do not eat, drink or smoke while handling.

Keep away from ignition sources, use only electrically grounded handling equipment and ensure adequate ventilation/fume exhaust hoods.

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

**ENGINEERING CONTROLS:** Use local exhaust as needed.  
**Monitoring:** Maintain breathing zone airborne concentrations below exposure limits.  
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- **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.  

Use of solvent-resistant gloves or solvent-resistant barrier cream should provide adequate protection when normal adhesive application practices and procedures are used for making structural bonds.  

**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 4 - FIRST AID MEASURES**

**Contact with eyes:** Rinse eyes immediately with plenty of water for 15 minutes and seek medical advice immediately.  
**Skin contact:** 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.

**Likely Routes of Exposure:** Inhalation, Eye and Skin Contact

**Acute symptoms and effects:**  
- Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.  
- Vapors slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid.  
- 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:** Category 2 Carcinogenic

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

**CAS#**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrahydrofuran (THF)</td>
<td>109-99-9</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone (MEK)</td>
<td>78-93-3</td>
</tr>
<tr>
<td>Cyclohexanone</td>
<td>108-94-1</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
</tr>
</tbody>
</table>

**CONCENTRATION % by Weight**

<table>
<thead>
<tr>
<th>Component</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>THF</td>
<td>30 - 50</td>
</tr>
<tr>
<td>MEK</td>
<td>4 - 15</td>
</tr>
<tr>
<td>Cyclohexanone</td>
<td>8 - 17</td>
</tr>
<tr>
<td>Acetone</td>
<td>5 - 15</td>
</tr>
</tbody>
</table>

**SECTION 9 - FIREFIGHTING MEASURES**

**Suitable Extinguishing Media:** Dry chemical powder, carbon dioxide gas, foam.  
**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.

**SECTION 10 - TRANSPORTATION INFORMATION**

**GHS SYMBOLS:**  
- Category 2 Carcinogen

**PRE-RISKS:**  
- Category 2 Carcinogen

**Hazard Statements:**  
- P303+P361: Use Settlement Biohazard decontamination system.  
- P338: Wear protective gloves/protective clothing/face protection/eye protection

**Precautionary Statements:**  
- P301+P353: Take off all contaminated clothing and shoes.  
- P304+P313: Get medical advice/attention

**Transportation:** CHEMTEL Tel. 800.255-3924, +1 813-248-0585 (International)

**Medical:** CHEMTEL Tel. 800.255-3924, +1 813-248-0585 (International)

**Section:**  
- Section 3: Composition/Information on Ingredients
- Section 4: First Aid Measures
- Section 5: Firefighting Measures
- Section 6: Accidental Release Measures
- Section 7: Handling and Storage
- Section 8: Precautions to Control Exposure / Personal Protection
- Section 9: Transportation Information

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, medium 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: 0.934 @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 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: Ketone
LC50 Target Organs
Tetrhydrofuran (THF) Oral: 2842 mg/kg (rat) Inhalation 3 hrs. 21,000 mg/m³ (rat) STOT SE3
Methyl Ethyl Ketone (MEK) Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit) Inhalation 8 hrs. 23,500 mg/m³ (rat) STOT SE3
Cyclohexanone Oral: 1535 mg/kg (rat), Dermal: 948 mg/kg (rabbit) Inhalation 4 hrs. 8,000 ppm (rat) STOT SE3
Acetone Oral: 5800 mg/kg (rat) Inhalation 50,100 mg/m³ (rat) STOT SE3

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: None Known
Biodegradability: 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
Secondary Risk: None
Identification Number: UN 1133
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. R66: 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. S2S: Avoid contact with eyes.
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.

SECTION 16 - OTHER INFORMATION

Specification Information: 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.
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.