**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** XIRTEC 24 ORG Low VOC CPVC Cement  
**PRODUCT USE:** Low VOC Solvent Cement for CPVC Plastic Pipe  
**SUPPLIER:** IPEX Inc.  
**MANUFACTURER:** IPS Corporation  
**ADDRESS:** 807 Pharmacy Avenue, Scarborough, Ontario M1L 3K2, CAN  
**PHONE:** 1-310-898-3300  
**TRANSPORTATION:** CHEMTEL Tel. 800.255.3924, +1 813-248-0585 (International)  
**EMERGENCY:** CHEMTEL Tel. 800-255-3924, +1 813-248-0585 (International)  
**P210:** Keep away from heat/sparks/open flames/hot surfaces – No smoking  
**P261:** Avoid breathing dust/fume/gas/mist/vapors/spray  
**P337+P313:** Get medical advice/attention  
**WHMIS CLASSIFICATION:** CLASS B, DIVISION 2  
**DATE REVISED:** JAN 2017  
**SUPERSESSED:** NOV 2014

**SECTION 2 - HAZARDS IDENTIFICATION**

**GHS CLASSIFICATION:**  
- **Acute Toxicity:** Category 4  
- **Skin Irritation:** Category 3  
- **Skin Sensitization:** NO  
- **Eye:** Category 2

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

**Hazard Statements:**  
- P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking  
- P261: Avoid breathing dust/fume/gas/mist/vapors/spray

**Precautionary Statements:**  
- P101: Keep away from heat/sparks/open flames/hot surfaces – No smoking

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

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS#</th>
<th>REACH Pre-registration Number</th>
<th>% by Weight</th>
<th>CONCENTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrahydrofuran (THF)</td>
<td>109-99-9</td>
<td>203-126-8</td>
<td>05-2116297729-22-0000</td>
<td>40 - 70</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>2 - 15</td>
</tr>
<tr>
<td>Cyclohexanone</td>
<td>109-94-1</td>
<td>203-631-1</td>
<td>05-2116297718-25-0000</td>
<td>5 - 20</td>
</tr>
</tbody>
</table>

**Inhalation:** Remove to fresh air. If breathing is difficult, give artificial respiration. Seek medical advice immediately.

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

**Acute symptoms and effects:**  
- Severe overexposure may result in nausea, dizziness, headache.
- Can cause drowsiness, irritation of eyes and nasal passages.

**Skin Contact:** Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact.

**Chronic symptoms and effects:**  
- May cause nausea, vomiting, diarrhea and mental sluggishness.

**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 immediately.

**Inhalation:** Remove to fresh air. If breathing is difficult, give artificial respiration. Seek medical advice immediately.

**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 effects:**  
- Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.

**Chronic (long-term) effects:**  
- Category 2 Carcinogenic

**SECTION 5 - FIREFIGHTING MEASURES**

**Suitable Extinguishing Media:**  
- Water spray or stream  
- Dry chemical powder, carbon dioxide gas, foam, halon, water fog.

**Unsuitable Extinguishing Media:**  
- Water or steam

**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 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:**  
- 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.

**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.
- 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 33°C (90°F) and away from direct sunlight.

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

**EXPOSURE LIMITS:**  
- **OSHA PEL:**  
- **ACGIH TLV:**

**Component** | **ACGIH TLV** | **ACGIH STEL** | **OSHA PEL** | **OSHA STEL** |
<table>
<thead>
<tr>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Tetrahydrofuran (THF)</td>
<td>50 ppm</td>
<td>100 ppm</td>
<td>200 ppm</td>
<td>N/E</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone (MEK)</td>
<td>200 ppm</td>
<td>300 ppm</td>
<td>200 ppm</td>
<td>N/E</td>
</tr>
<tr>
<td>Cyclohexanone</td>
<td>30 ppm</td>
<td>50 ppm</td>
<td>50 ppm</td>
<td>N/E</td>
</tr>
</tbody>
</table>

**Engineering Controls:**  
- Use local exhaust as needed.

**Monitoring:**  
- Maintain breathing zone air 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:** Avoid 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

Appearance: Orange, 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: 66°C (151°F) Based on first boiling component: THF
Flash Point: -20°C (-4°F) TCC based on THF
Specific Gravity: 0.984 @ 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: <490 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: 2842 mg/kg (rat)
Inhalation 3 hrs. 21,000 mg/m³ (rat)
Methyl Ethyl Ketone (MEK)
Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit)
Inhalation 8 hrs. 23,500 mg/m³ (rat)
Cyclohexanone
Oral: 1535 mg/kg (rat), Dermal: 948 mg/kg (rabbit)
Inhalation 4 hrs. 8,000 PPM (rat)

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 <490 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

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information:
Highly Flammable, Irritant, Carc. Cat. 2
Ingredients Listings: USA TSCA, Europe ERECS, Canada DSL, Australia AICS, Korea ECL/TCC, Japan MITI (ENCS)
Risk Phrases: R11: Highly flammable. R66: Repeated exposure may cause skin dryness or cracking
R06/37: Irritating to eyes and respiratory system. R67: Vapors may cause drowsiness and dizziness
Safety Phrases: S2: Keep out of the reach of children S25: 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. S33: Take precautionary measures against static discharges.

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.
Reissue date / reason for reissue: 1/19/2017 / 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.