**SECTION I - PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** CANTEX #99 CLEAR Low VOC PVC Plastic Pipe Cement  
**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: 1-310-898-3300

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

**SECTION II - HAZARDS IDENTIFICATION**

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

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

**Hazard Statements:**  
- H225: Highly flammable liquid and vapor  
- H319: Causes serious eye irritation  
- H332: Harmful if inhaled  
- H335: May cause respiratory irritation  
- H361: May cause drowsiness or dizziness  
- H351: Suspected of causing cancer

**Precautionary Statements:**  
- P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking  
- P261: Avoid breathing dust/fume/gas/mist/vapors/spray  
- P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
- P403+P233: Store in a well ventilated place. Keep container tightly closed

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

- **CAS#**  
  - Tetrachloroethylene (THF): 109-99-9  
  - Methyl Ethyl Ketone (MEK): 78-93-3  
  - Acetone: 67-64-1  
  - Cyclohexanone: 108-94-1

- **REACH Pre-registration Number**  
  - Tetrachloroethylene (THF): 05-2116297729-22-0000  
  - Methyl Ethyl Ketone (MEK): 05-2116297728-24-0000  
  - Acetone: 05-2116297713-35-0000

**CONCENTRATION % by Weight:**  
- Tetrachloroethylene (THF): 5 - 15

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 IV - 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:** 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.

**SECTION V - FIREFIGHTING MEASURES**

- **Suitable Extinguishing Media:** Dry chemical powder, carbon dioxide gas, foam, Halon, water fog.  
- **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 VI - 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 II).

- **Environmental Precautions:** Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course. Clean up with sand or other inert absorbent material. Transfer to a closable steel vessel.

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

**SECTION VII - 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 44°C (110°F) and away from direct sunlight. Keep away from ignition sources and incompatible materials: caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.

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

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

**EXPOSURE LIMITS:**  
- **Component**  
  - Tetrachloroethylene (THF): 50 ppm  
  - Methyl Ethyl Ketone (MEK): 200 ppm  
  - Cyclohexanone: 500 ppm  
  - Acetone: 20 ppm

**Cal/OSHA STEL:**  
- Tetrachloroethylene (THF): 250 ppm  
- Methyl Ethyl Ketone (MEK): 300 ppm  
- Cyclohexanone: 3000 ppm  
- Acetone: 750 ppm

**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 made 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 9 - PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Clear, regular syrupy liquid
- **Odor:** Ketone
- **pH:** Not Applicable
- **Melting/Freezing Point:** -199.5°C (-163.3°F) Based on first melting component: THF
- **Boiling Point:** 56°C (133°F) Based on first boiling component: Acetone
- **Flash Point:** -29°C (-4°F) Based on Acetone
- **Specific Gravity:** 0.894 (20°C (73°F))
- **Flammability Limits:** LEL: 1.1% based on Cyclohexanone
- **Solubility:** Solvent portion soluble in water. Resin portion separates out.
- **Auto-ignition Temperature:** 321°C (610°F) based on THF
- **Vapor Pressure:** >2.0 (Air = 1)
- **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

#### Likely Routes of Exposure:
- Inhalation: Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.
- Eye Contact: Vapors slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid.
- Skin Contact: 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.

#### Acute symptoms and effects:
- **Inhalation:** Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.
- **Eye Contact:** Vapors slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid.
- **Skin Contact:** 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:
- **Target Organ:** Category 2 Carcinogen
- **LDE:** Not Available
- **LC50:** Inhalation 3 hrs. 21,000 mg/m³ (rat)
- **Inhalation:** STOT SE3
- **ACUTE HARMFUL THRESHOLDS:**
  - Oral: 2824 mg/kg (rat)
  - Dermal: 6480 mg/kg (rabbit)
  - Inhalation 8 hrs. 23,500 mg/m³ (rat)

#### HUMAN DATA:
- **Oral:**
  - Rat: 2737 mg/kg (oral, 24 hours)
  - Rabbit: 948 mg/kg (dermal, 4 hours)
  - Rat: 5800 mg/kg (oral, 24 hours)
  - Rabbit: 6480 mg/kg (dermal, 4 hours)
  - Rat: 2842 mg/kg (oral, 24 hours)
  - Rabbit: 948 mg/kg (dermal, 4 hours)

#### VAPOR DENSITY:
- **None:** In normal use. When forced to burn, this product gives off oxides of carbon, hydrogen chloride and smoke.
- **Flammability:** Highly flammable.
- **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 12 - ECOLOGICAL INFORMATION

- **Ecotoxicity:** Not Established
- **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
- **Packaging 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 F, Xi
- **Symbols:** R11: Highly flammable. R20: Harmful by inhalation. R36/37: Irritating to eyes and respiratory system.
- **Risk Phrases:** R26: Repeated exposure may cause skin dryness or cracking. R66: Repeated exposure may cause skin dryness or cracking. R67: Vapors may cause drowsiness and dizziness
- **Safety Phrases:** S9: Keep container in a well-ventilated place. S16: Keep away from sources of ignition - No smoking. S26: Avoid contact with eyes. S44: If swallowed, seek medical advise immediately and show this container or label.

### SECTION 16 - OTHER INFORMATION

- **Department issuing data sheet:** Safety Health & Environmental Affairs
- **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.