

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** Pro-Trade™ Clear PVC Cement  
**PRODUCT USE:** Low VOC Solvent Cement for PVC Plastic Pipe  
**SUPPLIER:** SiteOne Landscape Supply  
 300 Colonial Center Pkwy, Suite 600,  
 Roswell GA 30076  
 Tel. 1-(800) 748-3663  
**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 2 - HAZARDS IDENTIFICATION**
**GHS CLASSIFICATION:**

<u>Health</u>		<u>Environmental</u>		<u>Physical</u>	
Acute Toxicity:	Category 4	Acute Toxicity:	None Known	Flammable Liquid	Category 2
Skin Irritation:	Category 3	Chronic Toxicity:	None Known		
Skin Sensitization:	NO				
Serious Eye Irritation:	Category 2A				

**GHS LABEL:**

**Signal Word: Danger**

<u>Hazard Statements</u>	<u>Precautionary Statements</u>
H225: Highly flammable liquid and vapor	P201: Obtain special instructions before use
H302: Harmful if swallowed	P202: Do not handle until all safety precautions have been read and understood.
H315: Causes skin irritation	P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
H319: Causes serious eye irritation	P233 + P403: Keep container tightly closed. Store in a well-ventilated place.
H332: Harmful if inhaled	P240 + P241: Ground/bond container and receiving equipment. Use explosion-proof equipment.
H335: May cause respiratory irritation	P242 + P243: Use only non-sparking tools. Take precautionary measures against static discharge.
H336: May cause drowsiness or dizziness	P261: Avoid breathing dust/fume/gas/mist/vapors/spray
H351: Suspected of causing cancer	P270: Do not eat, drink or smoke when using this product.
	P280: Wear protective gloves/protective clothing/eye protection/face protection.
	P501: Dispose of contents/ container to an approved waste disposal plant.
	<b>Response</b>
P301+310: IF SWALLOWED: Immediately call a POISON CENTER/Medical Attention	P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P331: Do NOT induce vomiting.	P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].	Remove contact lenses, if present and easy to do. Continue rinsing.
	P308+313: IF exposed or concerned: Get medical advice/attention.

**Physical Hazards Not Otherwise Classified**

Vapors may form explosive mixture with air.

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

	CAS	EINECS	REACH	CONCENTRATION
			Registration Number	% by Weight
Acetone	67-64-1	200-662-2	01-2119471330-49-0000	20 - 40
Tetrahydrofuran (THF)	109-99-9	203-726-8	01-2119444314-46-0000	10 - 30
Methyl Ethyl Ketone (MEK)	78-93-3	201-159-0	01-2119457290-43-0000	10 - 30
Cyclohexanone	108-94-1	203-631-1	01-2119453616-35-0000	10 - 30

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 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:** 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 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:** 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.

	HMIS	NFPA	
Health	2	2	1-Slight
Flammability	3	3	2-Moderate
Reactivity	0	0	3-Serious
PPE	B		4-Severe

**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 44°C (110°F) and away from direct sunlight.  
 Keep away from ignition sources and incompatible materials: caustics, ammonia, inorganic acids, strong oxidizers and isocyanates.  
 Follow all precautionary information on container label, product bulletins and solvent cementing literature.

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

EXPOSURE LIMITS:	Component	ACGIH	ACGIH	OSHA	OSHA	OSHA	CAL/OSHA	CAL/OSHA	CAL/OSHA
		8-hr TLV	15-min STEL	8-hr PEL	15 min STEL	PEL-Ceiling	8-hr PEL	Ceiling	15-min STEL
	Acetone	250 ppm	500 ppm	1000 ppm	N/E	N/E	500 ppm	3000 ppm	750 ppm
	Tetrahydrofuran (THF)	50 ppm	100 ppm	200 ppm	N/E	N/E	200 ppm	N/E	250 ppm
	Methyl Ethyl Ketone (MEK)	200 ppm	300 ppm	200 ppm	N/E	N/E	200 ppm	N/E	300 ppm
	Cyclohexanone	20 ppm	50 ppm	50 ppm	N/E	N/E	25 ppm	N/E	N/E

**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 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear, regular syrupy liquid	<b>Odor Threshold:</b>	0.88 ppm (Cyclohexanone)
<b>Odor:</b>	Ketone	<b>Boiling Range:</b>	56°C (133°F) to 156°C (313°F)
<b>pH:</b>	Not Applicable	<b>Evaporation Rate:</b>	> 1.0 (BUAC = 1)
<b>Melting/Freezing Point:</b>	-108.5°C (-163.3°F) Based on first melting component: THF	<b>Flammability:</b>	Category 2
<b>Boiling Point:</b>	56°C (133°F) Based on first boiling component: Acetone	<b>Flammability Limits:</b>	<b>LEL:</b> 1.1% based on Cyclohexanone <b>UEL:</b> 12.8% based on Acetone
<b>Flash Point:</b>	-20°C (-4°F) TCC based on Acetone	<b>Vapor Pressure:</b>	190 mm Hg @ 20°C (68°F) Acetone
<b>Specific Gravity:</b>	0.948 @23°C (73°F)	<b>Vapor Density:</b>	>2.0 (Air = 1)
<b>Solubility:</b>	Solvent portion soluble in water. Resin portion separates out.	<b>Other Data: Viscosity:</b>	Regular bodied
<b>Partition Coefficient n-octanol/water:</b>	Not Available		
<b>Auto-ignition Temperature:</b>	321°C (610°F) based on THF		
<b>Decomposition Temperature:</b>	Not Applicable		
<b>VOC Content:</b>	When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: ≤ 510 g/l.		

**SECTION 10 - STABILITY AND REACTIVITY**

<b>Chemical Stability:</b>	Normally stable.
<b>Reactivity:</b>	THF- Vapors may form explosive mixture with air.
<b>Hazardous decomposition products:</b>	None in normal use. When forced to burn, this product gives off oxides of carbon and smoke.
<b>Conditions to avoid:</b>	High temperatures. Open flames, sparks, static discharge, heat and other ignition sources.
<b>Incompatible Materials:</b>	Oxidizing agents (e.g. peroxides).

**SECTION 11 - TOXICOLOGICAL INFORMATION**

<b>Likely Routes of Exposure:</b>	Inhalation, Eye and Skin Contact
<b>Acute symptoms and effects:</b>	
<b>Inhalation:</b>	Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.
<b>Eye Contact:</b>	Vapors slightly uncomfortable. Contact with eyes can result in serious eye irritation and eye injury with corneal or conjunctival inflammation.
<b>Skin Contact:</b>	Liquid contact may remove natural skin oils resulting in moderate to severe skin irritation. Dermatitis may occur with prolonged contact.
<b>Ingestion:</b>	May cause nausea, vomiting, diarrhea and mental sluggishness.
<b>Chronic (long-term) effects:</b>	(THF) Category 2 Carcinogen (MEK) Low level chronic exposure has been shown to cause decreased memory and impairment of the central nervous system.
<b>Health Hazards Not Otherwise Classified:</b>	This material may cause defatting and irritation of skin (Dermatitis) upon prolonged or repeated contact.

<b>Toxicity:</b>	<b>LD50</b>	<b>LC50</b>	<b>Target Organs</b>
Acetone	Oral: 5800 mg/kg (rat), Dermal: 20000 mg/kg (rabbit)	Inhalation 50,100 mg/m3 (rat)	STOT SE3
Tetrahydrofuran (THF)	Oral: 2842 mg/kg (rat), Dermal: > 2,000 mg/kg (rat)	Inhalation: 3 hrs. 21,000 mg/m <sup>3</sup> (rat)	STOT SE3
Methyl Ethyl Ketone (MEK)	Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit)	Inhalation 8 hrs. 23,500 mg/m <sup>3</sup> (rat)	STOT SE3
Cyclohexanone	Oral: 1535 mg/kg (rat), Dermal: 948 mg/kg (rabbit)	Inhalation 4 hrs. 8,000 PPM (rat)	Not Established

**Acute Toxicity**

Methyl Ethyl Ketone (MEK)	Acute (Oral) Toxicity: None	Acute (Dermal) Toxicity: None	Acute (Inhalation) Toxicity: None
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**Specific Target Exposure Toxicity (Single Exposure) Inhalation:** Category 3

**Specific Target Exposure Toxicity (Repeated Exposure):** Not Applicable

<b>Reproductive Effects</b>	<b>Teratogenicity</b>	<b>Mutagenicity</b>	<b>Embryotoxicity</b>	<b>Sensitization to Product</b>	<b>Synergistic Products</b>
Not Established	Not Established	Not Established	Not Established	Not Established	Not Established

**Carcinogenicity:** Tetrahydrofuran (THF): Category 2 "Suspected human carcinogen"

**SECTION 12 - ECOLOGICAL INFORMATION**
**Ecotoxicity:**

Acute Aquatic Toxicity	LC50 Fish	EC50 Crustacea	ErC50 Algae
	Pimephales promelas (fathead minnow); 96-hour	Daphnia magna (water flea): 48-hour	Desmodesmus subspicatus (algae); 72-hour; static
Acetone	No Data Available	7630	No Data Available
Tetrahydrofuran	2160 mg/L	No Data Available	No Data Available
Methyl Ethyl Ketone	3200 mg/L	No Data Available	No Data Available
Cyclohexanone	> 100 mg/L	> 100 mg/L	> 100 mg/L

**Mobility in Soil:** If released into the environment, this product can move rapidly through the soil.

**Degradability:** Does not degrade rapidly based on quantitative tests. (Tetrahydrofuran)

**Bioaccumulation:** This product and its degradation products are not known to bioaccumulate..

**SECTION 13 - WASTE DISPOSAL CONSIDERATIONS**

Dispose of waste and containers in compliance with applicable Federal, State, and Local regulations. Consult disposal expert.

**SECTION 14 - TRANSPORT INFORMATION**

<b>Proper Shipping Name:</b>	Adhesives	<b>EXCEPTION for Ground Shipping</b>
<b>Hazard Class:</b>	3	<b>DOT Limited Quantity:</b> Up to 5L per inner packaging, 30 kg gross weight per package.
<b>Secondary Risk:</b>	None	<b>Consumer Commodity:</b> Depending on packaging, these quantities may qualify under DOT as ORM-D
<b>Identification Number:</b>	UN 1133	<b>TDG INFORMATION</b>
<b>Packing Group:</b>	PG II	TDG CLASS: FLAMMABLE LIQUID 3
<b>Label Required:</b>	Class 3 Flammable Liquid	SHIPPING NAME: ADHESIVES
<b>Marine Pollutant:</b>	NO	UN NUMBER/PACKING GROUP: UN 1133, PG II

**SECTION 15 - REGULATORY INFORMATION**

<b>Precautionary Label Information:</b>	Highly Flammable, Irritant, Carc. Cat. 2	<b>Ingredient Listings:</b> USA TSCA, Europe EINECS, Canada DSL, Australia AICS, Korea ECL/TCCL, Japan MITI (ENCS)
<b>Symbols:</b>	F, Xi	
<b>Risk Phrases:</b>	R11: Highly flammable. R36/37: Irritating to eyes and respiratory system.	R66: Repeated exposure may cause skin dryness or cracking R67: Vapors may cause drowsiness and dizziness
<b>Safety Phrases:</b>	S2: Keep out of the reach of children S9: Keep container in a well-ventilated place. S16: Keep away from sources of ignition - No smoking.	S25: Avoid contact with eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S33: Take precautionary measures against static discharges.
<b>Compliance Statement:</b>	This SDS was prepared to be in accordance with: US OSHA Hazard Communication Standard 29 CFR 1910.1200 (Rev 2012)	

**SECTION 16 - OTHER INFORMATION**

<b>Specification Information:</b>		All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).
<b>Department issuing data sheet:</b>	Safety Health & Environmental Affairs	
<b>Training necessary:</b>	Yes, training in practices and procedures contained in product literature.	
<b>Reissue date / reason for reissue:</b>	12/27/2019 / Updated GHS Standard Format	
<b>Intended Use of Product:</b>	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.