

### **GHS SAFETY DATA SHEET**

Christy's® WET or DRY Low VOC PVC Plastic Pipe Cement

Date Revised: MAY 2020 Supersedes: DEC 2019

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:

Christy's® WET or DRY Low VOC PVC Plastic Pipe Cement

PRODUCT USE:

Low VOC Solvent Cement for PVC Conduit RESTRICTIONS ON USE: No relevant information available

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)

**Environmental** 

**Physical** 

#### **SECTION 2 - HAZARDS IDENTIFICATION**

GHS CLASSIFICATION:

Health Acute Toxicity: Category 4 Category 3 Skin Irritation:

Specific target organ toxicity Category 3 (single exposure)

Acute Toxicity: Chronic Toxicity None Known None Known

Category 2

Skin Sensitization Carcinogenicity: Eye Irritation:

NO Category 2 Category 2

Flammable Liquid

GHS LABEL:



Signal Word: Danger

HAZARD STATEMENTS

H225: Highly flammable liquid and vapo H302 + H213: Harmful if swallowed. Harmful in contact with skin

H316: Causes mild skin irritation H319: Causes serious eye irritation

H335: May cause respiratory irritation H336: May cause drowsiness or dizziness

PRECAUTIONARY STATEMENTS

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

P280: Wear protective gloves/protective clothing/eye protection/face protection

P337+P313: Get medical advice/attention P403+P233: Store in a well ventilated place. Keep container tightly closed

P501: Dispose of contents/container in accordance with local regulation

H351: Suspected of causing cancer

#### RESPONSE STATEMENTS

P301+310: IF SWALLOWED: Call a POISON CENTER and get Medical Attention

P331: Do NOT induce vomiting.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing

Rinse skin with water [or shower].

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. 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

May form explosive peroxides COMPOSITION/INFORMATION ON INCOPDIENTS

SECTION 3 - COMPOSITION/INFO	CIJON 3 - COMPOSITION/INFORMATION ON INGREDIENTS					
	CAS	EINECS	REACH	CONCENTRATION		
	CAS	EINECS	Registration Number	% by Weight		
Tetrahydrofuran (THF)** (Stabilized)	109-99-9	203-726-8	01-2119444314-46-0000	41 - 69		
Acetone	67-64-1	200-662-2	01-2119471330-49-0000	15 - 30		
Methyl Ethyl Ketone (MEK)*	78-93-3	201-159-0	01-2119457290-43-0000	3 - 19		

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: Skin contact:

Inhalation: Ingestion:

Flush eyes immediately with plenty of water for 15 minutes and seek medical advice immediately.

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If irritation develops, seek medical advice.

Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice. 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: Unsuitable Extinguishing Media: **Exposure Hazards:** Combustion Products:

Dry chemical powder, carbon dioxide gas, foam, Halon, water fog. Water spray or stream. Inhalation and dermal contact

Oxides of carbon, hydrogen chloride and smoke Self-contained breathing apparatus or full-face positive pressure airline masks.

0-Minimal Health 1-Slight 2 2-Moderate Flammability 0 3-Serious Reactivity 0 PPF В 4-Severe Safety Glasses and Gloves

# SECTION 6 - ACCIDENTAL RELEASE MEASURES

Protection for Firefighters:

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

**Environmental Precautions:** 

Methods for Cleaning up: Materials not to be used for clean up:

Clean up with sand or other inert absorbent material. Transfer to a closable steel vessel Aluminum or plastic containers

# SECTION 7 - HANDLING AND STORAGE

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.

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 8-HOUR TLV	ACGIH 15-MINUTE STEL	OSHA 8-HOUR PEL	OSHA 15-MINUTE STEL	OSHA PEL-Ceiling	CAL/OSHA 8-HOUR PEL	CAL/OSHA 15-MINUTE Ceiling	CAL/OSHA 15-MINUTE STEL
	Tetrahydrofuran (THF)	50 ppm	100 ppm	200 ppm	N/E	N/E	200 ppm	N/E	250 ppm
	Acetone	250 ppm	500 ppm	1000 ppm	N/E	N/E	500 ppm	3000 ppm	750 ppm
	Methyl Ethyl Ketone (MEK)	200 ppm	300 ppm	200 ppm	N/E	N/E	200 ppm	N/E	300 ppm

Engineering Controls:

Use local exhaust as needed.

**Monitoring**:

Personal Protective Equipment (PPE):

Maintain breathing zone airborne concentrations below exposure limits.

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:

Respiratory 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.

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.



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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appea Odor:

Blue, medium syrupy liquid

P.H. Melting/Freezing Point:

Ketone

Not Applicable
-108.6°C (-163°F) Based on first freezing componen
67°C (151°F) Based on first boiling component: THF
-14°C (7°F) T.C.C. based on THF

**Boiling Point:** 

0.924 @23°C ( 73°F)
Solvent portion completely soluble in water.

Flash Point:
Specific Gravity
Solubility:
Partition Coefficient n-octanol/w

Auto-ignition Temperature: Decomposition Temperature:

321°C (609.8°F); THF

Not Available

Not Applicable

Other Data: Viscosity:

When applied as directed, per SCAQMD Rule 1168, Test Method 316A,∨OC content is: ≤510 g/l

1 ppm (Acetone) Odor Threshold:

Boiling Range: Evaporation Rate: Flammability: 56°C (133°F) to 156°C (313°F) > 1.0 (BUAC = 1)

CNS, Narcotic effects, Respiratory Tract Irritation

Category 2 LEL: 1,4% based on MEK

UEL: 11.8% 143 mm Hg @ 20°C (68°F): THF

Vapor Pressure: Vapor Density:

>2.0 (Air = 1) Medium bodied

Flammability Limits:

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Stability:

Heating may cause a fire Stable under normal conditions

Hazardous decomposition products: Conditions to avoid:

None in normal use. When forced to burn, this product gives off oxides of carbon, hydrogen chloride and smoke. Keep away from heat, sparks, open flame and other ignition sources.

Incompatible Materials:

**VOC Content:** 

Oxidizers, strong acids and bases, amines, ammonia

#### SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Acute symptoms and effects Inhalation, Eye and Skin Contact

Inhalation: Excessive exposure to vapors or spray mists can result in headache, dizziness, incoordination and loss of consciousness, Irritation of the eyes, nose, throat and lungs can also occur when exposed to high vapor concentrations, Some reports have associated repeated and prolonged occupational overexposure to solvents with permanent nervous system damage.

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. May cause defatting and irritation of skin (Dermatitis) upon prolonged or repeated Ingestion: Swallowing can cause nausea, vomiting, diarrhea and loss of consciousness.

Inhalation

Chronic (long-term) effects: (MEK): Low level chronic exposure has been shown to cause decreased memory and impairment of the central nervous system. Health Hazards Not Otherwise Classified: This material may cause defatting and irritation of skin (Dermatilis) upon prolonged or repeated contact.

Respiratory or Skin Sensitization: Not Applicable

Reproductive Effects	<u>Teratogenicity</u>	Mutag	enicity	Embryotoxicity	Sensitization to Product	Synergistic Products	
Not Established	Not Established	Not Est	ablished	Not Established	Not Established	Not Established	
Carcinogenicity:	Tetrahydrofuran (THF): Ca	tegory-2; Susp	ected of causin	ng cancer			
Toxicity:	LD50 (Oral)	LD50 (Oral) LD50 (Dermal)			LC50 (Inhalation)		
Methyl Ethyl Ketone	2737 mg/kg (rai	1)		6480 mg/kg (rabbit)	8 hrs.	8 hrs. 23,500 mg/m3 (rat)	
Tetrahydrofuran	2842 mg/kg (rai	2842 mg/kg (rat)		> 2,000 mg/kg (rat)		3 hrs, 21,000 mg/m3 (rat)	
Acetone	5800 mg/kg (ra	t)	20000 mg/kg (rabbit)			50,100 mg/m3 (rat)	
Acute Toxicity	Category 4					war.	
Calculated (ATEs) Acute (Inhalation) Toxicity: Vapors - Category 4		ory 4	Acute (Oral) Toxicity: - Cat	tegory 4 Acute (Derm	al) Toxicity: - Category 4		
			Category	Route of Exposure	Affecte	ed Organs	
Specific Target Exposure Toxicity Methyl Ethyl Ketone		Ketone	3	Inhalation		Respiratory Tract Irritation	
(Single Exposure):	Tetrahydrofu	ıran	3	Inhalation	CNS, Narcotic effects,	Respiratory Tract Irritation	

Specific Target Exposure Toxicity (Repeated Exposure):

No Data Available

Aspiration Hazard:

Based on available data, the classification criteria are not met

Ecotoxicity:	LC50	EC50	EC50	
Acute Aquatic Toxicity	Pimephales promelas	Daphnia magna	Pseudokirchneriella	
	(fathead minnow);	(water flea):	subcapitata (microalgae)	
	96-hour	48-hour	Growth rate inhibitor	
Methyl Ethyl Ketone	> 100 mg/L	> 100 mg/L	2,029 mg/l - 96 hour	
Tetrahydrofuran	2160 mg/L	No Data Avallable	3,700 mg/l - 192 hour	
Acetone	No Data Available	7630	No Data Available	

Mobility in Soil: Degradability:

If released into the environment, this product can move rapidly through the soil. Not readily biodegradable

Bioaccumulation: Minimal to none.

Results of PBT and vPvB assessment: PBT: Not applicable, vPvB: Not applicable Other adverse effects: No relevant information available.

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS ance with applicable Federal, State, and Local Regulations. Consult disposal expert. Do not reuse empty containers.

# SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name: Hazard Class: Secondary Risk: Identification Number:

Packing Group:

Label Required: Marine Pollutant:

3 None UN 1133 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

PG II Class 3 Flammable Liquid NO

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

## SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information:

Highly Flammable, Irritant, Carc. Cat. 2

Ingredient Listings: USA TSCA, Europe EINECS, Canada DSL, Australia AICS, Korea ECL/TCCL, Japan MITI (ENCS)

This SDS was prepared to be in accordance with: US OSHA Hazard Communication Standard 29 CFR 1910.1200 (Rev 2012)

Canadian Workplace Hazardous Materials Information System (WHMIS) 2015 European Regulation (EC) No (EU) 2015/830 on classification, labelling and packaging of substances and mixtures

#### SECTION 16 - OTHER INFORMATION Specification Information

Department issuing data sheet:

IPS, Safety Health & Environmental Affairs <EHSInfo@lpscorp.com>

All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).

Yes, training in practices and procedures contained in product [terature, 5/14/2020 / Updated GHS Standard Format Solvent Cement for PVC Plastic Pipe

Training necessary: Reissue date / reason for reissue: Intended Use of Product:

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.