

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Christy's® WET or DRY Low VOC Plastic Pipe Cement      **SYNONYMS:**

**PRODUCT USE:** Low VOC Solvent Cement for PVC Plastic Pipe suitable for use under wet or dry conditions

**SUPPLIER and MANUFACTURER:** T Christy Enterprises, Inc.  
655 East Ball Road, Anaheim, CA 92805-5910  
Tel. 1-714-507-3300 (North America)  
Tel. 1-714-507-3300 (International)

**EMERGENCY:** Transportation/Medical issues: Tel. 800.535.5053 INFOTRAC

### SECTION 2 - HAZARDS IDENTIFICATION

**GHS CLASSIFICATION:**

Health	Environmental	Physical
Acute Toxicity: Category 4	Acute Toxicity: None Known	Flammable Liquid/Aerosol/Gas: Category 2
Skin Corrosion/Irritation: Category 3	Chronic Toxicity: None Known	
Carcinogenicity: Category 2		
Eye: Category 2B		

Signal Word: **DANGER**

**GHS LABEL**



**WHMIS CLASSIFICATION:** CONTROLLED PRODUCT  
CLASS B, DIVISION 2      CLASS D, DIVISION 2B

Hazard Statements	Precautionary Statements (See Section 15 for all advisory and required precautions)
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
H319 Causes serious eye irritation	P210 Keep away from heat, hot surfaces, open flames and other ignition sources. No smoking
H332 Harmful if inhaled	P261 Avoid breathing fumes/gas/vapours
H335 May cause respiratory irritation	P264 Wash hands thoroughly after handling.
H336 May cause drowsiness or dizziness	P270 Do not eat, drink or smoke when using this product.
H351 Suspected of causing cancer	P271 Use only outdoors or in a well-ventilated area.
	P280 Wear protective gloves/ protective/ clothing/ eye protection/ face protection
	P330 Rinse Mouth
	P304 + P340 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.
	P301+P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
	P308+P313 IF exposed or concerned: Get medical advice/attention
	P403+P233 Store in a well-ventilated place. Keep container tightly closed.
	P405 Store locked up
	P501 Dispose of contents/container in accordance with local regulations.

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

	CAS#	EINECS #	REACH	CONCENTRATION
			Pre-registration Number	% by Weight
Polyvinyl Chloride Resin (PVC)		NON/HAZ		
Tetrahydrofuran (THF)** (Stabilized)	109-99-9	203-726-8	05-2116297729-22-0000	41-69
Methyl Ethyl Ketone (MEK)*	78-93-3	201-159-0	05-2116297728-24-0000	3-19
Cyclohexanone	67-64-1	200-662-2	05-2116297713-35-0000	15-30

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.  
\*This chemical is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (40CFR372).

### 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:** Carbon monoxide, carbon dioxide, hydrogen chloride and smoke

**Combustion Products:** Carbon monoxide, carbon dioxide, 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	1	1	3-Serious
			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 metal container

**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 27°C (80°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 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:	Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL:	
	Tetrahydrofuran (THF) #,##	50 ppm skin	100 ppm	200 ppm	250 ppm	# Mfg. Recommended Allowable Exposure Limit (AEL): 25 ppm ## Mfg. Recommended STEL: 75 ppm
	Methyl Ethyl Ketone (MEK)	200 ppm	300 ppm	200 ppm	300 ppm	
	Acetone	500 ppm	750 ppm	750 ppm	1000 ppm	

**Engineering Controls:** If ventilated cabinet, enclosure or fume hood is necessary, average airflow should be at least 100 FPM (50.8 cm/sec).

**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. Polyethylene or PVA coated rubber gloves should be used for frequent immersion.  
Use of latex/nitrile surgical 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**

**Appearance:** Blue, medium syrupy liquid  
**Odor:** Ethereal  
**P.H.** Not Applicable  
**Melting/Freezing Point:** -95°C (-139°F) Based on first freezing component: Acetone  
**Boiling Point:** 57°C (133°F) Based on first boiling component: Acetone  
**Flash Point:** -14°C (7°F) T.C.C. based on THF  
**Specific Gravity** @23°C ± 2° (73°F ± 3.6°) Typical 0.924 ± 0.01  
**Solubility:** Solvent portion completely soluble in water. Resin portion separates out.  
**Partition Coefficient n-octanol/water:** Not Available  
**Auto-ignition Temperature:** 321°C (609.8°F): THF  
**Decomposition Temperature:** Not Applicable  
**VOC Content :** When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: ≤510 g/l.

**Odor Threshold:** N/D  
**Boiling Range:** 57°C (133°F) to 67°C (151°F)  
**Evaporation Rate:** > 1.0 (BUAC = 1)  
**Flammability:** Category I  
**Flammability Limits:** LEL: 2% UEL: 11.8%  
**Vapor Pressure:** 143 mm Hg @ 20°C (68°F): THF  
**Vapor Density:** 2.49 (Air = 1)  
**Other Data: Viscosity:** Medium bodied

**SECTION 10 - STABILITY AND REACTIVITY**

**Stability:** Stable  
**Hazardous decomposition products:** None in normal use. When forced to burn, this product gives off carbon monoxide (CO), carbon dioxide (CO2), hydrogen chloride (HCl) and smoke.  
**Conditions to avoid:** Keep away from heat, sparks, open flame and other ignition sources.  
**Incompatible Materials:** Caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Likely Routes of Exposure:** Inhalation, Eye and Skin Contact  
**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:** None known to humans  
**Carinogenicity:**  
 Tetrahydrofuran (109-99-9)  
 ACGIH: A3- Confirmed Animal Carcinogen with Unknow Relevance to Humans  
 Cyclohexanone (108-94-1)  
 ACGIH: A3- Confirmed Animal Carcinogen with Unknow Relevance to Humans  
**Toxicity:**  
 LD<sub>50</sub> LC<sub>50</sub>  
 Tetrahydrofuran (THF) Oral: 2880 mg/kg (rat) Inhalation 3 hrs. 21,000 PPM (rat)  
 Methyl Ethyl Ketone (MEK) Oral: 3.98 g/kg (rat), Dermal: 8-10 mg/kg (rabbit) Inhalation 4 hrs. 4,000 PPM (rat)  
 Acetone Oral: 9.75 g/kg (rat), Dermal: 20 g/kg (rabbit) Inhalation LCLO, 4 hrs, 16,000 PPM (rat)

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
May cause embryofetal toxicity	Not Applicable	Not Available	Not Applicable	Not Applicable	Not Available

**SECTION 12 - ECOLOGICAL INFORMATION**

**Ecotoxicity:** Category IV  
**Mobility:** In normal use, emission of volatile organic compounds (VOC's) to the air takes place. Typically at a rate of ≤ 510 Grams/Liter.  
 Minimal other adverse effects include possible ground water contamination from release to soil, sewers, drains or water course.  
**Degradability:** Biodegradable  
**Bioaccumulation:** Minimal to none.

**SECTION 13 - WASTE DISPOSAL CONSIDERATIONS**

Follow local and national regulations. Consult disposal expert. Can be disposed of by controlled incineration. May be allowed to dry and disposed of as trash. Excessive quantities should not be permitted to enter drains, sewers or water courses. Empty containers should be air dried before disposing.

**SECTION 14 - TRANSPORT INFORMATION**

**DOT, IATA, ADR, IMO/MDG SHIPPING INFORMATION**  
**Proper Shipping Name:** Adhesives DOT/IMDG EXCEPTION: Case quantities of cement in containers of less than one liter may be shipped as LIMITED QUANTITY when properly labeled and marked.  
**Hazard Class:** 3  
**Secondary Risk:** None ICAO/IATA May be shipped by air as CONSUMER COMMODITY, ID 8000 when properly packaged, labeled and marked.  
**Identification Number:** UN 1133  
**Packing Group:** II  
**Label Required:** Flammable Liquid  
**TDG INFORMATION**  
**TDG CLASS:** FLAMMABLE LIQUID 3  
**SHIPPING NAME:** ADHESIVES (TETRAHYDROFURAN)  
**UN NUMBER:** 1133, PG II  
**Marine Pollutant:** NO

**SECTION 15 - REGULATORY INFORMATION**

**Precautionary Label Information:** Highly Flammable, Irritant  
**Symbols:** F, Xi  
**Risk Phrases:** R-11 Highly Flammable  
 R-20 Harmful by inhalation  
 R-21 Harmful in contact with skin.  
 R-22 Harmful if swallowed.  
**Safety Phrases:** S-2 Keep out of reach of children.  
 S-7 Keep container tightly closed when not in use.  
 S-9 Keep container in a well-ventilated place.  
 S-15/16 Keep away from heat and sources of ignition. No smoking.  
 S-23 Do not breathe vapor.

**Ingredient Listings:** USA TSCA, Europe EINECS, Canada DSL, Australia AICS, Korea ECL/TCCL, Japan MITI (ENCS)  
 R-36/37/38 Irritating to eyes, respiratory system and skin.  
 R67 Vapours may cause drowsiness and dizziness  
 S-24/25 Avoid contact with skin and eyes.  
 S-29 Do not empty into drains.  
 S-37 Wear suitable gloves.  
 S-45 If seeking medical advice show physician label or SDS.  
 S-46 Use only in well ventilated areas.

**SECTION 16 - OTHER INFORMATION**

**Specification Information:**  
**Department issuing data sheet:** Environmental Health & Safety  
**e-mail address:** <EHSinfo@tchristy.com> 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:** MAR 2015/ Updated GHS Information  
**Intended Use of Product:** Adhesive for bonding/cementing PVC plastic pipe and fittings

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.

## CHRISTY'S® ULVOC Purple Primer

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** CHRISTY'S® ULVOC Purple Primer  
**PRODUCT USE:** Ultra Low VOC Primer for PVC and CPVC Plastic Pipe  
**DISTRIBUTOR:** **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:**

Health		Environmental		Physical	
Acute Toxicity:	Category 4	Acute Toxicity:	None Known	Flammable Liquid	Category 2
Skin Irritation:	Category 3	Chronic Toxicity:	None Known		
Skin Sensitization:	NO				
Eye:	Category 2				

**GHS LABEL:**



**Signal Word:**  
Danger

**WHMIS CLASSIFICATION:** CLASS B, DIVISION 2  
CLASS D, DIVISION 2B

Hazard Statements	Precautionary Statements
H225: Highly flammable liquid and vapor H319: Causes serious eye irritation H332: Harmful if inhaled H335: May cause respiratory irritation H336: May cause drowsiness or dizziness H351: Suspected of causing cancer EUH019: May form explosive peroxides	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 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 P501: Dispose of contents/container in accordance with local regulation

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

	CAS	EINECS	REACH	CONCENTRATION
			Registration Number	% by Weight
Methyl Ethyl Ketone (MEK)	78-93-3	201-159-0	01-2119457290-43-0000	30 - 50
Cyclohexanone	108-94-1	203-631-1	01-2119453616-35-0000	20 - 40
Acetone	67-64-1	200-662-2	01-2119471330-49-0000	20 - 40

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.  
**Likely Routes of Exposure:** Inhalation, Eye and Skin Contact  
**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:** Category 2 Carcinogen

### 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

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

**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 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 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
	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
	Acetone	250 ppm	500 ppm	1000 ppm	N/E	N/E	500 ppm	3000 ppm	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 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 or purple, thin 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>	- 86°C (- 123°F) Based on MEK	<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>	0.857 @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>	Water-thin
<b>Partition Coefficient n-octanol/water:</b>	Not Available		
<b>Auto-ignition Temperature:</b>	404°C (759°F): MEK		
<b>Decomposition Temperature:</b>	Not Applicable		
<b>VOC Content:</b>	When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: ≤ 398 g/l.		

### SECTION 10 - STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Hazardous decomposition products:</b>	None in normal use. When forced to burn, this product gives off oxides of carbon, hydrogen chloride and smoke.
<b>Conditions to avoid:</b>	Keep away from heat, sparks, open flame and other ignition sources.
<b>Incompatible Materials:</b>	Oxidizers, strong acids and bases, amines, ammonia.

### SECTION 11 - TOXICOLOGICAL INFORMATION

<b>Toxicity:</b>	LD <sub>50</sub>	LC <sub>50</sub>	<b>Target Organs</b>
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
Acetone	Oral: 5800 mg/kg (rat)	Inhalation 50,100 mg/m <sup>3</sup> (rat)	STOT SE3

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Established	Not Established	Not Established	Not Established	Not Established	Not Established

### SECTION 12 - ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	None Known
<b>Mobility in Soil:</b>	If released into the environment, this product can move rapidly through the soil.
<b>Degradability:</b>	Not readily biodegradable
<b>Bioaccumulation:</b>	Minimal to none.

### SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal expert.

### SECTION 14 - TRANSPORT INFORMATION

<b>Proper Shipping Name:</b>	Flammable Liquid, n.o.s. (Acetone)	<b>EXCEPTION for Ground Shipping</b>
<b>Hazard Class:</b>	3	
<b>Secondary Risk:</b>	None	<b>DOT Limited Quantity:</b> Up to 5L per inner packaging, 30 kg gross weight per package.
<b>Identification Number:</b>	UN 1993	<b>Consumer Commodity:</b> Depending on packaging, these quantities may qualify under DOT as "ORM-D".
<b>Packing Group:</b>	PG II	
<b>Label Required:</b>	Class 3 Flammable Liquid	
<b>Marine Pollutant:</b>	NO	

TDG INFORMATION	
<b>TDG CLASS:</b>	FLAMMABLE LIQUID 3
<b>SHIPPING NAME:</b>	Flammable Liquid, n.o.s. (Acetone)
<b>UN NUMBER/PACKING GROUP:</b>	UN 1993, 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
<b>Symbols:</b>	F, Xi		AICS, Korea ECL/TCCL, Japan MITI (ENCS)
<b>Risk Phrases:</b>	R11: Highly flammable. R20: Harmful by inhalation. R36/37: Irritating to eyes and respiratory system.	<b>R66:</b> Repeated exposure may cause skin dryness or cracking	<b>R67:</b> Vapors may cause drowsiness and dizziness
<b>Safety Phrases:</b>	S9: Keep container in a well-ventilated place. S16: Keep away from sources of ignition - No smoking. S25: Avoid contact with eyes.	<b>S26:</b> In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.	<b>S33:</b> Take precautionary measures against static discharges. <b>S46:</b> If swallowed, seek medical advice immediately and show this container or label.

### SECTION 16 - OTHER INFORMATION

<b>Specification Information:</b>		
<b>Department issuing data sheet:</b>	IPS, Safety Health & Environmental Affairs	All ingredients are compliant with the requirements of the European
<b>E-mail address:</b>	<EHSinfo@ipscorp.com>	Directive on RoHS (Restriction of Hazardous Substances).
<b>Training necessary:</b>	Yes, training in practices and procedures contained in product literature.	
<b>Reissue date / reason for reissue:</b>	1/7/2019 / Updated GHS Standard Format	
<b>Intended Use of Product:</b>	Primer for PVC and CPVC 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.