

SAFETY DATA SHEET

Christy's® Clear Primer Low VOC PVC Plastic Pipe Cement Christy's® Purple Primer Low VOC PVC Plastic Pipe Cement Date Revised: JAN 2015 Supersedes: NOV 2014

SYNONYMS

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Christy's® Clear Primer

Christy's® Purple Primer

PRODUCT USE: Solvent Cement for PVC Plastic Pipe/ CPVC Pipe

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	Er	nvironmental	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 2A								
Signal Word: DANGER	GHS LABEL	! &	WHMIS CLASSIFICATION: CONTROLLED PRODUCT CLASS B, DIVISION 2 CLASS D, DIVISION 2B					
Hazard Statements	Pre	cautionary Statements (Se	e Section 15 for all advisory and required precautions)					
H225 Highly flammable liquid and vapor	P201 Obtain special in	nstructions before use.						
H302 Harmful if swallowed	P202 Do not handle u	P202 Do not handle until all safety precautions have been read and understood						
H319 Causes serious eye irritation	P210 Keep away from	n heat, hot surfaces, open fl	lames and other ignition sources. No smoking					
H332 Harmful if inhaled	P261 Avoid breathing	fumes/gas/vapours						
H335 May cause respiratory irritation	P264 Wash hands the	P264 Wash hands thoroughly after handling.						
H336 May cause drowsiness or dizziness	P270 Do not eat, drinl	P270 Do not eat, drink or smoke when using this product.						
H351 Suspected of causing cancer	P271 Use only outdoo	P271 Use only outdoors or in a well-ventilated area.						
	P280 Wear protective	P280 Wear protective gloves/ protective/ clothing/ eye protection/ face protection						
	P330 Rinse Mouth	P330 Rinse Mouth						
	P304 + P340 IF INHA	P304 + P340 IF INHALED: remove person to fresh air and keep comfortable for breathing.						
	P305+P351+P338 IF	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 SWAL	P301+P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.						
	P308+P313 IF expose	P308+P313 IF exposed or concerned: Get medical adivce/attention						
	P403+P233 Store in a	P403+P233 Store in a well-ventilated place. Keep container tightly closed.						
	P405 Store locked up	P405 Store locked up						
	P501 Dispose of cont	ents/container in accordance	ce with local regulations.					
SECTION 3 - COMPOSITION/IN	FORMATION ON INGRE	DIENTS						
	CAS# EINECS		CONCENTRATION					
		Pre-registration Numbe						
Tetrahydrofuran (THF)** (Stabilized)	109-99-9 203-72	6-8 05-2116297729-22-0	0000 30-60					

		Fie-registration Number	/o by weight
Tetrahydrofuran (THF)** (Stabilized)	109-99-9	203-726-8 05-2116297729-22-0000	30-60
Methyl Ethyl Ketone (MEK)*	78-93-3	201-159-0 05-2116297728-24-0000	5-20
Cyclohexanone	108-94-1	203-631-1 05-2116297718-25-0000	5-15
Acetone	67-64-1	200-662-2 05-2116297713-35-0000	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 *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 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. Contact with eyes: Skin contact: Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice. Inhalation: Rinse mouth with water. Give 1 or 2 glasses of water or milk to dilute. Do not induce vomiting. Seek medical advice immediately Ingestion: SECTION 5 - FIREFIGHTING MEASURES Dry chemical powder, carbon dioxide gas, foam, Halon, water fog. 0-Minimal Suitable Extinguishing Media: HMIS NFPA Unsuitable Extinguishing Media: 1-Slight Water spray or stream. Health 2 2 Carbon monoxide, carbon dioxide, hydrogen chloride and smoke Exposure Hazards: 3 2-Moderate Flammability 3 Reactivity Combustion Products: Carbon monoxide, carbon dioxide, hydrogen chloride and smoke 1 1 3-Serious Self-contained breathing apparatus or full-face positive pressure airline masks. 4-Severe Protection for Firefighters: 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 eves, 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 27°C (80°F) and away from direct sunlight. Storage: 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 Methyl Ethyl Ketone (MEK) 200 ppm 300 ppm 200 ppm 300 ppm ## Mfg. Recommended STEL: 75 ppm 20 ppm skin Cyclohexanone 50 ppm cetone 500 ppm skin 750 ppm 750 ppm 1000 ppm If ventilated cabinet, enclosure or fume hood is necessary, average airflow should be at least 100 FPM (50.8 cm/sec). Engineering Controls: Monitoring: Maintain breathing zone airborne concentrations below exposure limits. Personal Protective Equipment (PPE): Eve 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 - PHY	SICAL AND	CHEMICAL PROPE	RTIES							
Appearance:		Clear or Purple, thin liquid								
Odor:		Ethereal, similar to Acetone			Odor Threshold:			N/D		
P.H. Melting/Freezing Po	pint:	Not Applicable -95°C (-139°F) Based on first freezing component: Ace			etone	Boiling Ran	ae:	57°C (133°F)	to 67°C (151°F)	
Boiling Point:		57°C (133°F) Based on first boiling component: Acetone				Evaporation		6-11 (BUAC =		
Flash Point:			n THF	0.04		Flammabilit		Category I		
Specific Gravity Solubility:		@23°C ± 2° (73°F ± 3.6°) Solvent portion completely				Flammabilit	y Limits:	LEL: 2% UEL: 11.8%		
Partition Coefficien	t n-octanol/wa					Vapor Pres	sure:		20°C (68°F): Acetone	
Auto-ignition Temp		321°C (609.8°F): THF				Vapor Dens		2.00 (Air = 1)		
Decomposition Ten VOC Content :	nperature:	Not Applicable When applied as directed,		Rule 1168 T	est Method 3	Other Data: 16A VOC con		Water Thin		
SECTION 10 - ST	ΔΒΙΙ ΙΤΥ ΔΝ					10/1,100 001	torit 15. = 550 g			
Stability:		Stable								
Hazardous decomp		hydrogen chl	oride (HCI) ar	nd smoke.	•	•		de (CO), carbon	dioxide (CO2),	
Conditions to avoid Incompatible Mater				rks, open flam unic acids, chlo		-		d isocyanates.		
			monia, morge					a isooyanates.		
Likely Routes of Exposu		Inhalation, Eye and Skin Co	ontact							
Acute symptoms and eff										
Inhalation:		exposure may result in naus								
Eye Contact:		ly uncomfortable. Overexpo	•				•		ntact with the liquid.	
Skin Contact:		t may remove natural skin o			Dermatitis r	nay occur with	prolonged co	ontact.		
Ingestion:	•	ausea, vomiting, diarrhea ar None known to humans	id mental slug	gishness.						
Chronic (long-term) effe Carinogenicity:	G15:	NUTLE KNOWN TO NUMANS								
• •	uran (109-99-9))								
		nfirmed Animal Carcinogen with	Unknow Releva	nce to Humans						
		nfirmed Animal Carcinogen with	Unknow Releva	nce to Humans						
Toxicity:		LD50 Oral: 2880 mg/kg (rat)			LC50	hra 04 000 5	DM (ret)			
Tetrahydrofuran (THF)		Oral: 2880 mg/kg (rat)	1 0 10 ma/ka	(robbit)		hrs. 21,000 F	. ,			
Methyl Ethyl Ketone (ME Cyclohexanone	n)_	Oral: 3.98 g/kg (rat), Derma Oral: 1900 mg/kg (rat), Der				hrs. 4,000 PF CLO, 4 hrs, 2		Ð		
Acetone		Oral: 9.75 g/kg (rat), Derma				CLO, 4 hrs, 2 CLO, 4 hrs, 1		,		
Reproductive E	ffacts	Teratogenicity		enicity		otyxicity		on to Product	Synergistic Products	
May cause embryofe		Not Applicable		vailable		oplicable		pplicable	Not Available	
SECTION 12 - EC							1			
Ecotoxicity:	Category IV									
Mobility:		e, emission of volatile organi	c compounds	(VOC's) to the	air takes pla	ace. Typically	at a rate of ≤	550 Grams/Lite	er.	
		adverse effects include pos	•		•					
Degradability:	Biodegradab	le	-							
BioAccumulation:	Minimal to no	ne.								
SECTION 13 - WA	STE DISPO	SAL CONSIDERATI	ONS							
Follow local and national r	regulations. Co	onsult disposal expert. Can	be disposed o	of by controlled	incineration	. May be allow	wed to dry and	d disposed of a	s trash.	
		itted to enter drains, sewers								
SECTION 14 - TRA	NSPORT	NEORMATION								
DOT, IATA, ADR, IMO/IM										
Proper Shipping Name		Flammable Liquid, n.o.s.	DOT/IMDG	EXCEPTION	Case quant	ities of cemen	t in containers	s of less than or	ne liter may be	
Hazard Class:			iran, Acetone						ed and marked.	
Secondary Risk		None		ICAO/IATA				COMMODITY,	D 8000 when	
Identification Number: Packing Group:		UN 1993 II		TDG INFOR		kaged, labele	d and marked	1.		
Label Required:		II Flammable Liquid		TDG CLASS		FLAMMABL	E LIQUID 3			
-				SHIPPING N	AME:	FLAMMABL		o.s. (Tetrahydro	uran)	
Marine Pollutant:		NO		UN NUMBER	8:	1993, PG II				
SECTION 15 - RE	GULATORY	INFORMATION								
	Information:	Highly Flammable, Irritant		Ingredient Lis				nada DSL, Aus	tralia	
Symbols:	D 44 18-61	F, Xi Flormoble			AICS, K	orea ECL/TCC	L, Japan MIT	I (ENCS)		
Risk Phrases:	R-11 Highly R-20 Harmfi	Flammable Il by inhalation			R-36/37/38	Irritating to ev	es respirator	y system and sl	kin	
		in contact with skin.				s may cause of				
		l if swallowed.				.,				
Safety Phrases:	S-2 Keen ou	t of reach of children.			S-24/25 Av	oid contact wit	h skin and ev	es.		
•										
	S-7 Keep co	ntainer tightly closed when r				t empty into di				
	S-7 Keep co S-9 Keep co	ntainer tightly closed when r ntainer in a well-ventilated p	lace.		S-37 Wears	suitable gloves	6.			
	S-7 Keep co S-9 Keep co S-15/16 Kee	ntainer tightly closed when r ntainer in a well-ventilated p p away from heat and sourc	lace.	No smoking.	S-37 Wears S-45 If seek	suitable gloves	s. Ivice show ph	iysician label or	SDS.	
	S-7 Keep co S-9 Keep co S-15/16 Kee S-23 Do not I	ntainer tightly closed when r ntainer in a well-ventilated p p away from heat and sourc preathe vapor.	lace.	No smoking.	S-37 Wears S-45 If seek	suitable gloves	s. Ivice show ph	ysician label or	SDS.	
SECTION 16 - OT	S-7 Keep co S-9 Keep co S-15/16 Kee S-23 Do not I HER INFOR	ntainer tightly closed when r ntainer in a well-ventilated p p away from heat and sourc preathe vapor.	lace.	No smoking.	S-37 Wears S-45 If seek	suitable gloves	s. Ivice show ph	ysician label or	SDS.	
Specification Inform	S-7 Keep co S-9 Keep co S-15/16 Kee S-23 Do not I HER INFOF nation:	ntainer tightly closed when r ntainer in a well-ventilated p p away from heat and sourc oreathe vapor.	lace. es of ignition.	No smoking.	S-37 Wears S-45 If seek S-46 Use o	suitable gloves ing medical ac nly in well ven	s. dvice show ph tilated areas.			
	S-7 Keep co S-9 Keep co S-15/16 Kee S-23 Do not I HER INFOF nation:	ntainer tightly closed when r ntainer in a well-ventilated p p away from heat and sourc preathe vapor.	lace. es of ignition. th & Safety	No smoking.	S-37 Wears S-45 If seek S-46 Use o All ingredia	suitable gloves ing medical ac nly in well ven ents are comp	s. dvice show ph tilated areas. liant with the	nysician label or requirements of lazardous Subs	the European	
Specification Inforn Department issuing e-mail address:	S-7 Keep co S-9 Keep co S-15/16 Kee S-23 Do not I HER INFOF nation: g data sheet:	ntainer tightly closed when r ntainer in a well-ventilated p p away from heat and sourc oreathe vapor. KMATION Environmental Hea <ehsinfo@tchristy.< td=""><td>lace. es of ignition. th & Safety com></td><td>_</td><td>S-37 Wear s S-45 If seek S-46 Use o All ingredie Directive</td><td>suitable gloves ing medical ac nly in well ven ents are comp e on RoHS (R</td><td>s. dvice show ph tilated areas. liant with the estriction of H</td><td>requirements of</td><td>the European</td></ehsinfo@tchristy.<>	lace. es of ignition. th & Safety com>	_	S-37 Wear s S-45 If seek S-46 Use o All ingredie Directive	suitable gloves ing medical ac nly in well ven ents are comp e on RoHS (R	s. dvice show ph tilated areas. liant with the estriction of H	requirements of	the European	
Specification Inform Department issuing e-mail address: Training necessary Reissue date / reaso	S-7 Keep co S-9 Keep co S-15/16 Kee S-23 Do not I HER INFOF nation: g data sheet: : on for reissue	ntainer tightly closed when r ntainer in a well-ventilated p p away from heat and source preathe vapor. RMATION Environmental Hea <ensinfo@tchristy. Yes, training MAR 2015/U</ensinfo@tchristy. 	lace. es of ignition. th & Safety com> in practices a Jpdated GHS	nd procedures Information	S-37 Wears S-45 If seek S-46 Use o All ingredie Directive s contained in	suitable gloves ing medical ac nly in well ven ents are comp e on RoHS (R n product litera	s. dvice show ph tilated areas. liant with the estriction of H iture.	requirements of	the European	
Specification Inform Department issuing e-mail address: Training necessary	S-7 Keep co S-9 Keep co S-15/16 Kee S-23 Do not I HER INFOF nation: g data sheet: : on for reissue	ntainer tightly closed when r ntainer in a well-ventilated p p away from heat and source preathe vapor. RMATION Environmental Hea <ensinfo@tchristy. Yes, training MAR 2015/U</ensinfo@tchristy. 	lace. es of ignition. th & Safety com> in practices a Jpdated GHS	nd procedures	S-37 Wears S-45 If seek S-46 Use o All ingredie Directive s contained in	suitable gloves ing medical ac nly in well ven ents are comp e on RoHS (R n product litera	s. dvice show ph tilated areas. liant with the estriction of H iture.	requirements of	the European	

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.



SAFETY DATA SHEET

Christy's® Red Hot Blue Glue® Low VOC PVC Plastic Pipe Cement

SYNONYMS:

Date Revised: MAR 2015 Supersedes: NOV 2014

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Christy's® Red Hot Blue Glue® Low VOC

PRODUCT USE: Solvent Cement for PVC Plastic Pipe

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:									
Heal		-	nvironmental	Physical					
,	Category 4	Acute Toxicity:	None Known	Flammable Liquid/Aerosol/Gas: Category 2					
Skin Corrosion/Irritation: C	Category 3	Chronic Toxicity:	None Known						
Carcinogenicity C	Category 2								
Eye: C	Category 2B								
Signal Word: DANGER		GHS LABEL		WHMIS CLASSIFICATION: CONTROLLED PRODUCT CLASS B, DIVISION 2 CLASS D, DIVISION 2B					
Hazard Sta	tements	Pre	ecautionary Statements (Se	e Section 15 for all advisory and required precautions)					
H225 Highly flammable liquid	d and vapor	P201 Obtain special i	nstructions before use.						
H302 Harmful if swallowed		P202 Do not handle u	P202 Do not handle until all safety precautions have been read and understood						
H319 Causes serious eye irr	flames and other ignition sources. No smoking								
H332 Harmful if inhaled		P261 Avoid breathing	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 outdo	ors or in a well-ventilated a	rea.					
		P280 Wear protective P330 Rinse Mouth	e gloves/ protective/ clothin	g/ eye protection/ face protection					
		P304 + P340 IF INHA	LED: remove person to fre	esh 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 adivce/attention							
		P403+P233 Store in a well-ventilated place. Keep container tightly closed.							
		P405 Store locked up							
		P501 Dispose of cont	ents/container in accordan	ce with local regulations.					
SECTION 3 - COMP	OSITION/INFOR	MATION ON INGRE	DIENTS						
		CAS# EINECS		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	40 - 65	
Methyl Ethyl Ketone (MEK)*	78-93-3	201-159-0	05-2116297728-24-0000	5 - 20	
Cyclohexanone	108-94-1	203-631-1	05-2116297718-25-0000	10 - 30	
Acetone	67-64-1	200-662-2	05-2116297713-35-0000	0 - 20	

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

SECTION 4 - FIRS								
Contact with eyes:		th plenty of water for 15 min						
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. Rinse mouth with water. Give 1 or 2 glasses of water or milk to dilute. Do not induce vomiting. Seek medical advice immediately.							
Ingestion:		0	or milk to dilute.	Do not induc	ce vomiting. S	eek medical	advice imm	ediately.
	FIGHTING MEASUR	-						
Suitable Extinguishing		l powder, carbon dioxide ga	s, foam, Halon, w			HMIS	NFPA	0-Minimal
Unsuitable Extinguishi					Health	2	2	1-Slight
Exposure Hazards:		oxide, carbon dioxide, hydro			Flammability	3	3	2-Moderate
Combustion Products:		oxide, carbon dioxide, hydro			Reactivity	1	1	3-Serious
Protection for Firefight		ed breathing apparatus or fu	Ill-face positive pr	essure airlir	ne masks.			4-Severe
	IDENTAL RELEASE							
Personal precautions:		rom heat, sparks and open						
		cient ventilation, use explos		t ventilation	equipment or	wear suitable	e respiratory	protective equipment.
		tact with skin or eyes (see s						
Environmental Precaut		duct or liquids contaminated					water course	е.
Methods for Cleaning u		h sand or other inert absorb		nsfer to a cl	losable metal o	containers		
Materials not to be use	d for clean up:	Aluminum or plastic contai	ners.					
SECTION 7 - HAN	DLING AND STORA	GE						
		with eyes, skin and clothing.						
Keep away f	rom ignition sources, use or	nly electrically grounded han	dling equipment a	and ensure	adequate vent	tilation/fume	exhaust hoc	ods.
	Irink or smoke while handlin							
		27°C (80°F) and away from						
		compatible materials: caustion				ompounds, s	trong oxidiz	ers and isocyanates.
Follow all pre	ecautionary information on c	ontainer label, product bulle	tins and solvent o	cementing lit	terature.			
SECTION 8 - PRE	CAUTIONS TO CON	FROL EXPOSURE / F	PERSONAL P	ROTECT	TION			
EXPOSURE LIMITS:	Component	ACGIH TLV ACGIH STEL	OSHA PEL OS	SHA STEL:				
	Tetrahydrofuran (THF) #,#	# 50 ppm skin 100 ppm	200 ppm 2	250 ppm	# Mfg. Reco	ommended A	Ilowable Ex	posure Limit (AEL): 25 ppn
	Methyl Ethyl Ketone (MEK) 200 ppm 300 ppm	200 ppm 3	300 ppm	## Mfg. Red	commended	STEL: 75 pp	pm
	Cyclohexanone	20 ppm skin	50 ppm					
	Cyclohexanone	500 ppm skin 750 ppm	750 ppm 1	000 ppm				
Engineering Controls:	If ventilated cabinet, enclosed	sure or fume hood is necess	sary, average airfl	ow should b	be at least 100	FPM (50.8 c	cm/sec).	
Monitoring:	Maintain breathing zone ai	rborne concentrations below	v exposure limits.					
Personal Protective Eq								
Eye Protection:	Avoid contact with eyes, w etc. as may be appropriate	ear splash proof chemical g for the exposure.	oggles, face shiel	d, safety gla	asses (spectad	les) with bro	w guards an	nd side shields,
Skin Protection:		, kin as much as possible. Po	lvethvlene or PVA	coated rub	ber aloves sho	ould be used	for frequent	t immersion.
		gloves or solvent-resistant						
		are used for making structur						
Respiratory Protection:		olvents. Use in a well-ventil		doors and/	or windows to	ensure airflo	w and air ch	nanges. Use local
		ove airborne contaminants f						
		sure Limit Value will not usu						
	•							

SECTION 9 - PHY	SICAL AND	CHEMICAL PROPI	ERTIES						
Appearance:		Blue, Medium syrupy liquie	d			Odor Three'	aldı	N/D	
Odor: P.H.		Ethereal Not Applicable	Od			Odor Threshold:		N/D	
Melting/Freezing Po	oint:	-95°C (-139°F) Based on t				Boiling Rang			to 67°C (151°F)
Boiling Point: Flash Point:		57°C (133°F) Based on first boiling component: Acetone -14°C (7°F) T.C.C. based on THF				Evaporation Flammability		> 1.0 (BUAC = Category 2	= 1)
Specific Gravity		$@23^{\circ}C \pm 2^{\circ} (73^{\circ}F \pm 3.6^{\circ})$		0.01		Flammability		LEL: 2%	
Solubility:		Solvent portion completely		. Resin portio	on separates			UEL: 11.8%	
Partition Coefficient Auto-ignition Tempo		ter: Not Available 321°C (609.8°F): THF	Ð			Vapor Press Vapor Densi		190 mm Hg @ 2.49 (Air = 1)	20°C (68°F): Acetone
Decomposition Terr		Not Applicable				Other Data: \	/iscosity:	Medium bodie	d
VOC Content :		When applied as directed	per SCAQMD R	Rule 1168, Te	st Method 31	I6A,VOC cont	ent is: ≤ ₅10 gl	/l.	
SECTION 10 - STA	ABILITY AN								
Stability: Hazardous decomp	osition produc	Stable None in norr	nal use. When f	orced to burn	this produc	t dives off carl	oon monoxid	e (CO) carbon	dioxide (CO2)
	conton product		loride (HCI) and		, and produc	a gives on our		e (00), baibon	
Conditions to avoid	:		rom heat, sparks		and other ig	nition sources			
Incompatible Materi	ials:	Caustics, an	nmonia, inorganio	c acids, chlori	nated compo	ounds, strong	oxidizers and	d isocyanates.	
SECTION 11 - TO									
Likely Routes of Exposu Acute symptoms and eff		Inhalation, Eye and Skin C	Contact						
Inhalation:		exposure may result in naus	sea dizziness he	eadache Ca	n cause drov	vsiness irritati	on of eves a	nd nasal nassa	des
Eye Contact:		ly uncomfortable. Overexp							
Skin Contact:		t may remove natural skin			Dermatitis m	ay occur with	prolonged co	ontact.	
Ingestion:	•	ausea, vomiting, diarrhea a	nd mental sluggi	shness.					
Chronic (long-term) effe Carinogenicity:	cts:	None known to humans							
	uran (109-99-9)	1							
	ACGIH: A3- Cor	nfirmed Animal Carcinogen with	Unknow Relevanc	e to Humans					
Cyclohexand	one (108-94-1)								
Toxicity:	ACGIH: A3- Col	nfirmed Animal Carcinogen with LD50	Unknow Relevanc	e to Humans	LC ₅₀				
Tetrahydrofuran (THF)		Oral: 2880 mg/kg (rat)		1		nrs. 21,000 PF	M (rat)		
Methyl Ethyl Ketone (ME	K)_	Oral: 3.98 g/kg (rat), Derm	al: 8-10 mg/kg (r			hrs. 4,000 PPI	. ,		
Cyclohexanone		Oral: 1900 mg/kg (rat), De				CLO, 4 hrs, 2,0			
Acetone		Oral: 9.75 g/kg (rat), Derm		,		CLO, 4 hrs, 16			
Reproductive Et May cause embryofe		Teratogenicity Not Applicable	<u>Mutagen</u> Not Avai		Not App	otyxicity olicable		on to Product oplicable	Synergistic Products Not Available
SECTION 12 - ECO			1					•	
Ecotoxicity:	Category IV								
Mobility:		e, emission of volatile organ	ic compounds (\	/OC's) to the	air takes pla	ce. Typically a	at a rate of ≤	510 Grams/Lite	er.
Degradability: BioAccumulation:	Biodegradabl Minimal to no								
		-							
		SAL CONSIDERAT onsult disposal expert. Car		by controlled i	ncineration	May be allow	ed to dry and	disposed of as	strash
		itted to enter drains, sewer							
SECTION 14 - TRA	NSPORT II	NFORMATION							
DOT, IATA, ADR, IMO/IM									
Proper Shipping Name Hazard Class:):	Adhesives DOT/IMDG 3	EXCEPTION: C			in containers properly label			
Secondary Risk			May be shipped						
Identification Number:		UN 1133	properly packag						
Packing Group: Label Required:		ll Flammable Liquid		DG INFORM DG CLASS:		FLAMMABLE	LIQUID 3		
			S	HIPPING NA		ADHESIVES		ROFURAN)	
Marine Pollutant:		NO	U	N NUMBER:		1133, PG II			
SECTION 15 - REG									
Precautionary Label Symbols:	Information:	Highly Flammable, Irritant F, Xi	In	ngredient Listi		SCA, Europe rea ECL/TCCL		hada DSL, Aust	iralia
Risk Phrases:	R-11 Highly I	Flammable							
		I by inhalation						system and sk	in.
	R-21 Harmful R-22 Harmful	in contact with skin.		F	to/ Vapours	may cause di	owsiness an	a dizziness	
Safety Phrases:		t of reach of children.		c	-24/25 Avo	id contact with	skin and ev	20	
Galety i mases.		ntainer tightly closed when	not in use.			empty into dra			
		ntainer in a well-ventilated				uitable gloves.			
		p away from heat and sour preathe vapor.	ces of ignition. N			ng medical adv ly in well venti		ysician label or	SDS.
SECTION 16 - OTI		-				y in well verili			
Specification Inform									
Department issuing		Environmental Hea						equirements of	
e-mail address:		<ehsinfo@tchristy< th=""><th></th><th></th><th></th><th></th><th></th><th>azardous Subs</th><th>tances).</th></ehsinfo@tchristy<>						azardous Subs	tances).
Training necessary: Reissue date / rease			in practices and Jpdated GHS Inf		ontained in	product literat	ure.		
Intended Use of Pro			bonding/cement		tic pipe and	fittings			
This was durat in intervals of fe		lindividuale et their own ris	I. The informatio						

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.