

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Christy's® Ultra Seal Pipe Thread Sealant      **SYNONYMS:**

**PRODUCT USE:** Pipe Thread Sealant

**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
Swallowed: Category 4 Inhaled: Category 4 Skin Corrosion/Irritation: Category 2 Eye: Category 2A	Acute Toxicity: None Known Chronic Toxicity: None Known	Flammable Liquid/Aerosol/Gas: Unknown

**Signal Word:** **Warning**      **GHS LABEL:**      **WHMIS CLASSIFICATION:** CONTROLLED PRODUCT CLASS D, DIVISION 2B

Hazard Statements	Precautionary Statements (See Section 15 for all advisory and required precautions)
H319 Causes Serious eye irritation H315 Causes skin irritation H302 Harmful if swallowed H332 Harmful if inhaled H336 May cause drowsiness or dizziness	P261 Avoid breathing vapours P264 Wash hands thoroughly after handling. P270 Do not eat, drink, or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves and eye protection 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. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P332+P337+P313 If eye or skin irritation persists- get medical advice/attention P302+P352 IF ON SKIN: Wash with plenty of water P362+P364 Take off contaminated clothing and wash it before reuse. P405 Store locked up P330 Rinse mouth P501 Dispose of contents/container in accordance with local regulations.
<b>Inhalation:</b> May cause irritation to mucous membranes and upper respiratory tract. In high concentrations, vapors and aerosol mists have a narcotic effect and may cause headache, central nervous system depression, fatigue, dizziness, and nausea. Severe overexposure may cause red blood cell damage. Chronic: Repeated exposure may result in blood, liver, or kidney damage.	
<b>Ingestion:</b> May cause irritation of the digestive tract, stomach pain, nausea, and vomiting.	
<b>Skin Contact:</b> May be absorbed through the skin during prolonged or repeated contact, causing irritation, dermatitis, weakness, headache and nausea.	
<b>Eye Contact:</b> Exposure to vapors or liquid may cause eye irritation	
<b>Carcinogenic:</b> The IARC and ACGIH designate Ethylene glycol butyl ether and Isopropyl alcohol as category 3 - confirmed animal carcinogen with unknown relevance to humans.	

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

	CAS#	EINECS #	REACH	CONCENTRATION
			Pre-registration Number	% by Weight
Ethylene glycol butyl ether*	111-76-2			12-17
Isopropyl alcohol*	67-63-0	203-726-8	05-2116297729-22-0000	10-15

\*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:** Remove contact lenses if any. If eye irritation persists consult physician after flushing eyes with tepid water for 15 minutes

**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

<b>Suitable Extinguishing Media:</b> Water spray, foam, CO2 or dry powder	HMIS	NFPA	0-Minimal
<b>Unsuitable Extinguishing Media:</b> Water stream	Health	1	1-Slight
<b>Exposure Hazards:</b> Carbon oxides	Flammability	1	2-Moderate
<b>Specific Hazards:</b> Intense heat may cause violent rupture or container	Reactivity	0	3-Serious
<b>Protection for Firefighters:</b> Self-contained breathing apparatus or full-face positive pressure airline masks.		H	4-Severe

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Immediately contact emergency personnel. Evacuate any potentially affected area.  
Ventilate closed spaces before entering them. Vapor can collect in lower areas.

**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

### SECTION 7 - HANDLING AND STORAGE

**Handling:** Avoid breathing of vapor, avoid contact with eyes, skin and clothing.  
Use with adequate ventilation. Always open containers slowly to allow any excess pressure to vent.  
Do not eat; drink or smoke while handling. Wash thoroughly with soap and water after handling.

**Storage:** Store in ventilated room or shade below 27°C (80°F) and away from direct sunlight.  
Keep all containers tightly closed when not in use.

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

EXPOSURE LIMITS:	Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL:
	Ethylene Glycol Butyl ether	20 ppm		50 ppm	
	Isopropyl alcohol	200 ppm	400 ppm	400 ppm	500 ppm

**Engineering Controls:** Local exhaust ventilation is preferable. General ventilation is acceptable if under applicable exposure limits.

**Personal Protective Equipment (PPE):**

**Eye Protection:** Wear safety spectacles with unperforated side shields, or goggles.

**Skin Protection:** Wear impervious clothing and gloves to prevent contact.

**Hygiene Measures:** Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove contaminated clothing and laundry before reuse.

**Respiratory Protection:** If under applicable exposure limits, seek professional advice prior to respirator selection and use.  
For concentrations less than 10 times the exposure limits, wear a properly fitted NIOSH/MSHA-approved respirator with organic vapor cartridges.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	White Paste	<b>Odor Threshold:</b>	N/A
<b>Odor:</b>	Mild odor	<b>Boiling Range:</b>	N/A
<b>P.H.</b>	Not Applicable	<b>Evaporation Rate:</b>	0.6
<b>Melting/Freezing Point:</b>	Not Applicable	<b>Flammability:</b>	N/A
<b>Boiling Point:</b>	Not Applicable	<b>Flammability Limits:</b>	LEL: 1.1%
<b>Flash Point:</b>	Above 200° F, UN test N.1		UEL: 12.7%
<b>Specific Gravity</b>	1.41	<b>Vapour Pressure:</b>	0.88 mm Hg at 68° F
<b>Solubility:</b>	Slight	<b>Vapour Density:</b>	<1 (Air = 1)
<b>Partition Coefficient n-octanol/water:</b>	Not Available	<b>Other Data:</b>	<b>Viscosity:</b>
<b>Auto-ignition Temperature:</b>	494°C (921°F)		
<b>Decomposition Temperature:</b>	Not Applicable		
<b>VOC Content :</b>	When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: ≤310 g/l.		

**SECTION 10 - STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Hazardous decomposition products:</b>	By fire, Carbon dioxide, acids, alkalies, peroxides
<b>Possibly hazardous reactions:</b>	Vapors may form an explosive mixture with air.
<b>Conditions to avoid:</b>	Heat, flames, sparks, temperature extremes, and direct sunlight
<b>Incompatible Materials:</b>	Strong oxides, chlorine, acids, alkalies, peroxides

**SECTION 11 - TOXICOLOGICAL INFORMATION****Likely Routes of Exposure:****Acute symptoms and effects:**

Excessive exposure leads to depression of the central nervous system. Causes eye irritation, moderate skin irritation

**Chronic (long-term) effects:**

The IARC and ACGIH designates Ethylene glycol Ether and Isopropyl alcohol as category 3 confirmed animal carcinogen with unknown relevance to humans. Repeated or prolonged exposure in excess of exposure limits in Section 8 may cause damage to the lungs, liver, blood, and kidney.

**Toxicity:**

	LD <sub>50</sub>	LC <sub>50</sub>
Ethylene glycol butyl ether	Oral: 1746 mg/kg (rat), Dermal 2000 mg/kg (rat)	Inhalation 7 hrs. 7,000 PPM (rat)
Isopropyl alcohol	Oral: 5,045 mg/kg (rat), Dermal: 12,800 mg/kg (rabbit)	Inhalation 8 hrs. 16,000 PPM (rat)

<u>Reproductive Effects</u>	<u>Teratogenicity</u>	<u>Mutagenicity</u>	<u>Embryotoxicity</u>	<u>Sensitization to Product</u>	<u>Synergistic Products</u>
Not Applicable	Not Applicable	Not Available	Not Applicable	Not Applicable	Not Available

**SECTION 12 - ECOLOGICAL INFORMATION**

**Ecotoxicity effects:** LC<sub>50</sub> Harlequin fish, Red rasbora 96-hour 4,200 mg/l  
 LC<sub>50</sub> Fathead minnow 96-hour 9,640 to 10,000 mg/l  
 EC<sub>50</sub> Water flea 48-hour 1,550 mg/l

**Degradability:** Expected to be readily biodegradable

**Persistence:** The estimated half-life (2-Butoxyethanol) in groundwater ranges from 14 days to 8 weeks; and in soil 7 days to 4 weeks

**SECTION 13 - WASTE DISPOSAL CONSIDERATIONS**

This product is not a hazardous waste as defined under RCRA 40 CFR 261. Do not incinerate a closed container. Disposal of this material must be done in accordance with federal, state and local regulations.

**SECTION 14 - TRANSPORT INFORMATION****DOT, IATA, ADR, IMO/MDG SHIPPING INFORMATION**

<b>Proper Shipping Name:</b>	N/A	This material is not regulated under DOT when transported via U.S. commerce routes; and IATA, and IMO via international routes.
<b>Hazard Class:</b>	N/A	
<b>Secondary Risk</b>	None	
<b>Identification Number:</b>	N/A	
<b>Packing Group:</b>	N/A	
<b>Label Required:</b>	N/A	<b>TDG INFORMATION</b>
		TDG CLASS: N/A
		SHIPPING NAME: N/A
		UN NUMBER: N/A
<b>Marine Pollutant:</b>	NO	

**SECTION 15 - REGULATORY INFORMATION**

**U.S TSCA Chemical inventory Section 8(b)** This product is determined to be hazardous as defined in the OSHA Hazard Comm. Standard (29 CFR 1910.1200)

**CERCLA** No ingredient

**SARA TITLE III**

Acute health hazard: Yes  
 Chronic health hazard: Yes  
 Fire Hazard: No  
 Reactive Hazard: No  
 Pressure Hazard: No

**California Prop 65** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

**SECTION 16 - OTHER INFORMATION****Specification Information:**

<b>Department issuing data sheet:</b>	Environmental Health & Safety	All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).
<b>e-mail address:</b>	<EHSinfo@tchristy.com>	
<b>Training necessary:</b>	Yes, training in practices and procedures contained in product literature.	
<b>Reissue date / reason for reissue:</b>	FEB 2015/ Updated GHS Information	
<b>Intended Use of Product:</b>	Pipe Thread Sealant	

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.