



SAFETY DATA SHEET

Christy's® Ultra Seal T-10,000 Pipe Thread Sealant

Date Revised: Feb-21
Supersedes: Apr-20

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Christy's® Ultra Seal T-10,000 Pipe Thread Sealant
PRODUCT USE: Pipe Thread Sealant
RESTRICTIONS ON USE: No relevant information available
SUPPLIER: H R PRODUCTS
 207 BANNISTER ROAD
 CANNING VALE, WESTERN AUSTRALIA 6155
 Tel. 1800998037
Emergency - Call 13 11 26 (Poisons Australia)
MANUFACTURER: IPS Corporation
 17109 South Main Street, Gardena, CA 90248-3127
 P.O. Box 379, Gardena, CA 90247-0379
 Tel. 1-310-898-3300 E-mail address: EHSinfo@ipscorp.com
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	
Acute Toxicity:	Category 4	Specific target organ toxicity (single exposure) Category 3	Acute Toxicity: None Known
Skin Irritation:	Category 2		Chronic Toxicity: None Known
Carcinogenicity:	Category 4	Specific target organ toxicity (repeat exposure) Category 2	Physical
Eye Irritation:	Category 2A		Flammable Liquid Category 4

GHS LABEL:	Signal Word:	AU Poisons Schedule	AU Hazard Category	ADG CLASSIFICATION
	Warning	S6 (Causes Eye Irritation)	4	Not Classified

HAZARD STATEMENTS

H227: Combustible liquid
 H302 + H312 + H332: Harmful if swallowed, in contact with skin or if inhaled.
 H315: Causes skin irritation.
 H319: Causes serious eye 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.
 P264: Wash skin 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/ eye protection/ face protection

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: Rapidly absorbed through skin.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

	CAS	EINECS	REACH Registration Number	CONCENTRATION % by Weight
2-butoxyethanol (Ethylene glycol butyl ether)*	111-76-2	203-905-0	01-2119475108-36-0002	10 - 20
Isopropyl alcohol (2-Propanol) *	67-63-0	203-726-8	01-2119457558-25-0001	10 - 15

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: 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.
Notes to physician: Treat symptomatically based on judgement of doctor and individual reactions of the patient.
Other Information: For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor at once.

SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water spray, foam, CO2 or dry powder
Unsuitable Extinguishing Media: Water stream
Exposure Hazards: Carbon oxides
Specific Hazards: Intense heat may cause violent rupture or container
 Contact with strong Oxidizers may cause fires or explosions.
 Self-contained breathing apparatus
 or full-face positive pressure airline masks.
Protection for Firefighters:
HAZCHEM Code: 2Y

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

Safety Glasses and Gloves

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions: Immediately contact emergency personnel. Evacuate any potentially affected area.
Emergency procedures: 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	AU NOEL	AU NOEL	US ACGIH	US ACGIH	US OSHA	CAL/OSHA	CAL/OSHA
		8-hr TWA	15-min STEL	8-hr TLV	15-min STEL	8-hr PEL	8-hr PEL	15-min STEL
	2-Butoxyethanol	20 ppm	50 ppm	20 ppm	N/E	50 ppm	20 PPM	N/E
	Isopropyl alcohol	400 ppm	500 ppm	200 ppm	400 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 launder 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.
Protective measures: Ensure that eyewash stations and safety showers are close to the workstation location.



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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White or Blue Paste	Odor Threshold:	No Data Available
Odor:	Mild odor	Boiling Range:	No Data Available
pH	No Data Available	Evaporation Rate:	0.6 (Butyl Acetate = 1)
Melting/Freezing Point:	No Data Available	Flammability:	No Data Available
Boiling Point:	180°F (82°C)	Flammability Limits:	LEL: 1.1%
Flash Point:	Above 200 °F; UN test N.1		UEL: 12.7%
Specific Gravity	1.41	Vapor Pressure:	0.88 mm Hg at 68° F
Solubility:	Slight	Vapor Density:	<1 (Air = 1)
Partition Coefficient n-octanol/water:	Not Available	Other Data: Viscosity:	
Auto-ignition Temperature:	921°F (494°C)	Decomposition Temperature:	No Data Available
VOC Content :	When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: ≤310 g/l.		

SECTION 10 - STABILITY AND REACTIVITY

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

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:	May be absorbed through the skin during prolonged or repeated contact, causing irritation, dermatitis, weakness, headache and nausea.
Ingestion:	May cause nausea, vomiting, diarrhea and mental sluggishness.

Chronic (long-term) effects: May cause damage to organs (lungs, liver, blood, and kidney) through prolonged or repeated exposure. Excessive exposure leads to depression of the central nervous system. Causes eye irritation, moderate skin irritation. Repeated exposure may cause skin dryness or cracking.

Health Hazards Not Otherwise Classified: 2-Butoxyethanol - Rapidly absorbed through skin.

Skin Sensitization: No data Available

Respiratory Sensitization: 2-Butoxyethanol:

Breathing in large amounts of may result in irritation of the nose, eyes, headache, a metallic taste in the mouth, and vomiting

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

Carcinogenicity: The IARC and ACGIH designate Ethylene glycol butyl ether (2-Butoxyethanol) and Isopropyl alcohol (2-Propanol) as category 3 – confirmed animal carcinogen with unknown relevance to humans. The ACGIH designates Ethylene glycol butyl ether (2-Butoxyethanol) as category A3– confirmed animal carcinogen with unknown relevance to humans.

Toxicity:	LD50 (Oral)	LD50 (Dermal)	LC50 (Inhalation)
2-Butoxyethanol	1746 mg/kg (rat)	2000 mg/kg (rat)	7,000 PPM (rat)
Isopropyl Alcohol	5840 mg/kg (rat)	13900 mg/kg (rat) 12870 mg/kg (rabbit)	4 hrs. 72.6 mg/L (rat)

Acute Toxicity	Category 4	Acute (Oral) Toxicity: Category 4	Acute (Dermal) Toxicity: Category 4	Acute (Inhalation) Toxicity: Category 4
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Specific Target Exposure Toxicity (Single Exposure):	Category	Route of Exposure	Affected Organs
2-Butoxyethanol Isopropyl Alcohol	3	Inhalation	Central nervous system
	3	Inhalation	Central nervous system
Specific Target Exposure Toxicity (Repeated Exposure):	Category	Route of Exposure	Affected Organs
2-Butoxyethanol Isopropyl Alcohol	2	Inhalation	Kidneys, Liver
	2	Inhalation	Kidneys, Liver

Aspiration Hazard: No data available

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	LC50	LC50	EC50
Acute Aquatic Toxicity	Pimephales promelas (fathead minnow); 96-hour	Daphnia magna (water flea); 48-hour	Pseudokirchneriella subcapitata (microalgae) Growth rate inhibitor
2-Butoxyethanol	10000 mg/L	1550 mg/l	No Data Available
Isopropyl Alcohol	11130 mg/L	13299 mg/l	No Data Available

Mobility: Bioconcentration potential is low. Potential for mobility in soil is high.

Degradability: Expected to be readily biodegradable

Bioaccumulation: No bioaccumulation is to be expected (log Pow <= 4).

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

Results of PBT and vPvB assessment: PBT: Not applicable. vPvB: Not applicable

Other adverse effects: Accumulation in aquatic organisms is unlikely.

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Dispose of waste and containers in compliance with applicable Federal, State, and Local Regulations. Consult disposal expert. Do not reuse empty containers.

SECTION 14 - TRANSPORT INFORMATION

DOT, IATA, ADR, IMO/IMDG SHIPPING INFORMATION

Proper Shipping Name:	N/A
Hazard Class:	N/A
Secondary Risk:	None
Identification Number:	N/A
Packing Group:	N/A
HAZCHEM Code:	2Y
Label Required:	N/A
Marine Pollutant:	NO

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

ADG INFORMATION

TDG CLASS:	N/A
SHIPPING NAME:	N/A
UN NUMBER:	N/A

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information: Irritant
F, Xi

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

Compliance Statement: 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
Safe Work Australia: Section 274 of the Work Health and Safety (WHS) Act and the Work Health and Safety Regulations

SECTION 16 - OTHER INFORMATION

Specification Information:

Department issuing data sheet: Environmental Health & Safety
E-mail address: <EHSinfo@christy.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: 2/25/2021 - Updated information Australian specific

Intended Use of Product: 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.