



SAFETY DATA SHEET

Christy's® Slick-Wrap Tape

Date Revised: **MAR 2014**
Supersedes: **JAN 2010**

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Christy's® Slick-Wrap Tape

SYNONYMS:

PRODUCT USE: Repair of leaks in all types of pipes, hoses, and lines that may contain fluids, gases, or any other type of material.

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 1	Acute Toxicity: N/A	Flammable Liquid/Aerosol/Gas: N/A
Skin Corrosion/Irritation: N/A	Chronic Toxicity: N/A	
Skin Sensitization: N/A		
Eye: N/A		

Signal Word: **DANGER**

GHS LABEL:



Hazard Statements

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing problems if inhaled

Precautionary Statements (See Section 15 for all advisory and required precautions)

avoid breathing dust/fume/gas/mist/vapors/spray Wear Protective Gloves

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

	CAS#	EINECS #	REACH Pre-registration Number	CONCENTRATION % by Weight
Polyisocyanate Prepolymer	TS			60-95
4,4'-Diphenylmethane Diisocyanate (MDI)	101-68-8	202-966-0		5-20
Polymeric Diphenylmethane Diisocyanate (pMDI)	9016-87-9			<15
Diphenylmethane Diisocyanate (MDI) Mixed Isomers	26447-40-5			<5
Polyester Resin	TS			<5
*Zinc Sulfide	1314-98-3	215-251-3		<5

<10% of mixture consists of ingredients of unknown acute toxicity

Trade Secret (TS) Some items on the SDS may be designated as trade secrets. Bonafide requests for disclosure of trade secret information to medical personnel must be made in accordance with the provisions contained in 29 CFR 19190.1200 I 1-13. The full text for all R-Phases is shown in Section 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:** 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:** Give large quantities of water to drink. Do not induce vomiting. Seek medical advice immediately.

SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media:	Dry chemical powder, carbon dioxide gas, foam	HMIS	NFPA	0-Minimal
Unsuitable Extinguishing Media:	N/A	Health	1	1-Slight
Flammable Limits in Air (% by vol)	Not Measured	Flammability	0	2-Moderate
Unusual Fire and Explosion Hazards	Emits toxic fumes under fire conditions.	Reactivity	0	3-Serious
Special Firefighting Procedures	None			4-Severe

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Warn other workers of spill and contain spill
Provide sufficient ventilation, use explosion-proof exhaust ventilation equipment or wear suitable respiratory protective equipment.
Wear proper protective equipment(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:** disposal should be made in accordance with federal, state, and local regulations as stated in Section 13
- Materials not to be used for clean up:** N/A

SECTION 7 - HANDLING AND STORAGE

- Handling:** Avoid breathing of vapor, avoid contact with eyes, skin and clothing. Wash hands and face after handling this material.
Wear proper protective equipment when handling this material.
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 out of reach of children
Follow all applicable local regulations for handling and storage.

SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

- Ventilation:** Always provide good general, mechanical room ventilation where this chemical/material is used.
- Work/Hygiene Practices.** Avoid breathing vapor. Avoid contact with eyes. Wash hands and face after handling.
- Personal Protective Equipment (PPE):**
- Eye Protection:** Safety glasses, Chemical goggles, or face shield
- Skin Protection** Tri-Polymer. Check with your company's glove supplier to ensure chemical resistance.
- Respiratory Protection:** Use a suitable respiratory protective device in case of insufficient ventilation. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or the European standard EN 149. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
- Protective Clothing** Wear suitable protective clothing to prevent skin contact.
- Other Equipment** Make safety shower, eyewash stations, and hand washing equipment available in the work area.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Gray, Fiberglass tape impregnated with gray liquid	Odor Threshold:	N/A
Odor:	Slight aromatic odor	Boiling Range:	N/A
P.H.	Not Applicable	Evaporation Rate:	N/A
Melting/Freezing Point:	N/A	Flammability:	
Boiling Point:	367°C (694°F) Estimated based upon components.	Flammability Limits:	LEL: N/A
Flash Point:	237.8°C (460°F) Pensky-Martens Closed Cup ASTM D-93		UEL: N/A
Specific Gravity	1.14 @ 25°C	Vapour Pressure:	< 0.0001 mm Hg @ 25°C (77°F)
Solubility:	Insoluble - Reacts slowly with water to liberate CO2 gas	Vapour Density:	1.14 (Air = 1)
Partition Coefficient n-octanol/water:	Not Available	Other Data: Viscosity:	269 Pa.s (@25°C)
Auto-ignition Temperature:	N/A		
Decomposition Temperature:	N/A		
VOC Content :	Approx. 5400 mPas @ 77°F (25°C)		

SECTION 10 - STABILITY AND REACTIVITY

Stability:	Stable
Hazardous decomposition products:	None
Hazardous Polymerization:	Will not occur
Conditions to avoid:	None
Incompatible Materials:	Water reacts with the chemicals in the tape.

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	N/A
Potential Health Effects:	
Inhalation:	Irritating to respiratory tract, damage to mucous membranes, allergic sensitization (Isocyanates)
Eye Contact:	Eye Irritation May Result
Skin Contact:	May cause Irritation
Ingestion:	No info.
Chronic (long-term) effects:	None known to humans
Toxicity:	LD ₅₀ LC ₅₀
9016-87-9	Oral: 10 g/kg (rat) N/A
101-68-8	N/A Inhalation 4 hrs. 369 mg/m3 (rat)
1314-98-3	Oral: >15 g/kg (rat), Dermal: 2 g/kg (rabbit) N/A

<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	Poss.	Not Applicable	Not Applicable	Not Available

Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

SECTION 12 - ECOLOGICAL INFORMATION

Eco toxicity:	LC50 Daphnia magna (Water flea) 970 mg/L/48 hr; static	1314-98-3
	LC50 Pimephales promelas (Fathead minnow) 1826 mg/L/96 hr; static	1314-98-3
Mobility:	N/A	
Biodegradation	N/A	
Bioaccumulation:	N/A	

Note: Not all of the ingredients have been tested for Eco toxicity

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Water reacted product can be disposed of in municipal trash. Recommend not to dispose of rinse water containing product in a storm water drainage system. Do not reuse this container. This container may be hazardous when emptied.

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

Proper Shipping Name:	Not Regulated	
Hazard Class:		
Identification Number:		
Packing Group:		
Label Required:		
Marine Pollutant:	NO	
		TDG INFORMATION
		TDG CLASS: Not Regulated
		SHIPPING NAME:
		UN NUMBER:

SECTION 15 - REGULATORY INFORMATION**Directive 67-548-EEC**

Risk Phrases:	R-20 Harmful by Inhalation R-36/37/38 Irritating to eyes, respiratory system and skin. R-42/43 May cause sensitization by inhalation and skin contact.
Safety Phrases:	S-1/2 Keep locked up and out of reach of children S-23 Do not breathe gas/fumes/vapour/spray S-24/25 Avoid contact with skin and eyes. S-36/37 Wear suitable protective clothing and gloves S-45 In case of accident or if you feel unwell seek medical advice immediately

Symbols:



N
Harmful

Toxic Substances Control Act (TSCA) Status: This product is in compliance with rules, regulations, and orders of TSCA.
All Components are listed on the TSCA Inventory

SECTION 16 - OTHER INFORMATION

Specification Information:		
Department issuing data sheet:	Environmental Health & Safety	All ingredients are compliant with the requirements of the European
e-mail address:	<EHSinfo@tchristy.com>	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 2014/ Updated GHS Information	
Intended Use of Product:	Repair of leaks in all types of pipes, hoses, and lines that may contain fluids, gases, or any other type of material	

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.