



SAFETY DATA SHEET

According to Safe Work Australia

Printing date 31.03.2015

Revision: 31.03.2015

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: CHRISTY'S® ULTRA SEAL PIPE THREAD SEALANT**Other Means of Identification:** Mixture**Recommended Use of the Chemical and Restriction on Use:** Pipe thread sealant**Details of Manufacturer or Importer:**HR Products
207 Bannister Road
Canning Vale WA 6155**Phone Number:** 08 9455 1677**Emergency telephone number:** 0413 700 807

2. HAZARDS IDENTIFICATION

Hazardous Nature:

Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified according to the Globally Harmonized System (GHS).

Signal Word Void**Hazard Statements** Void

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

111-76-2	Ethanol, 2-butoxy- ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; H227	12-17%
67-63-0	Propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	10-15%

4. FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with tepid water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if symptoms persist.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give 1 or 2 glasses of water or milk to dilute. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause respiratory irritation. In high concentrations, vapours and aerosol mists may cause headache, central nervous system depression, fatigue, dizziness, and nausea.

(Contd. on page 2)

SAFETY DATA SHEET

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Product Name: CHRISTY'S® ULTRA SEAL PIPE THREAD SEALANT

(Contd. of page 1)

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: May cause gastrointestinal irritation, stomach pain, nausea, and vomiting.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water spray, foam, carbon dioxide or dry powder. Do not use water jet.**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon, acids, alkalies and peroxides.

Product is flammable. Vapors may form an explosive mixture with air.

Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.

Collect the spilled material and place into a closable metal container for disposal. Use only non-sparking tools.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area, below 27 °C. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from Strong oxidising agents, chlorine, acids, alkalies and peroxides. Do not weld, cut or drill on full or empty containers. Handling equipment must be grounded to prevent sparking.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:**111-76-2 Ethanol, 2-butoxy-**

NES	STEL: 242 mg/m ³ , 50 ppm
	TWA: 96.9 mg/m ³ , 20 ppm
	Sk

67-63-0 Propan-2-ol

NES	STEL: 1230 mg/m ³ , 500 ppm
	TWA: 983 mg/m ³ , 400 ppm

(Contd. on page 3)

SAFETY DATA SHEET

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Revision: 31.03.2015

Product Name: CHRISTY'S® ULTRA SEAL PIPE THREAD SEALANT

(Contd. of page 2)

Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

Respiratory Protection:

Use a Safe Work Australia approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Paste
Colour:	White
Odour:	Mild
Odour Threshold:	Not determined.
pH-Value:	Not applicable
Melting point/Melting range:	Not applicable
Initial Boiling Point/Boiling Range:	Not applicable
Flash Point:	>93.3 °C
Flammability:	Combustible
Auto-ignition Temperature:	494 °C
Decomposition Temperature:	Not applicable
Explosion Limits:	
Lower:	1.1 Vol %
Upper:	12.7 Vol %
Vapour Pressure at 20 °C:	0.88 mmHg
Relative Density:	1.41
Vapour Density:	<1
Evaporation Rate:	0.6
Solubility in Water:	Slight
Partition Coefficient (n-octanol/water):	No information available
VOC:	≤ 310 g/L

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

(Contd. on page 4)

SAFETY DATA SHEET

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(Contd. of page 3)

Incompatible Materials: Strong oxidising agents, chlorine, acids, alkalis and peroxides.**Hazardous Decomposition Products:** Carbon dioxide, acids, alkalis and peroxides.

11 . TOXICOLOGICAL INFORMATION

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****111-76-2 Ethanol, 2-butoxy-**

Oral	LD ₅₀	1746 mg/kg (rat)
Dermal	LD ₅₀	2000 mg/kg (rab)
Inhalation	LC ₅₀	7000 ppm (rat) (7 hours)

67-63-0 Propan-2-ol

Oral	LD ₅₀	5045 mg/kg (rat)
Dermal	LD ₅₀	12800 mg/kg (rabbit)
Inhalation	LC ₅₀	16000 ppm (rat) (8 hours)

Acute Health Effects**Inhalation:**

May cause respiratory irritation. In high concentrations, vapours and aerosol mists may cause headache, central nervous system depression, fatigue, dizziness, and nausea. Severe overexposure may cause red blood cell damage.

Skin: May cause skin irritation.

Eye: Causes serious eye Irritation.

Ingestion: May cause gastro intestinal irritation, stomach pain, nausea, and vomiting.

Skin Corrosion / Irritation:

Causes skin irritation. May be absorbed through the skin during prolonged or repeated contact, causing, dermatitis, weakness, headache and nausea.

Serious Eye Damage / Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

2-butoxy-ethanol and propan-2-ol are classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure: May cause drowsiness and dizziness.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects:

Repeated or prolonged exposure may cause damage to the lungs, liver, blood, and kidney. May be absorbed through the skin during prolonged or repeated contact, causing irritation, dermatitis, weakness, headache and nausea.

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information: No information available

(Contd. on page 5)

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(Contd. of page 4)

12 . ECOLOGICAL INFORMATION

Ecotoxicity:**Aquatic toxicity:**LC₅₀/96 h (Harlequin Fish, Red rasbora)= 4200 mg/LLC₅₀/96 h (Fathead Minnow)= 9640-10000 mg/LEC₅₀/48 h (Water Flea)= 1550 mg/L**Persistence and Degradability:**

Expected to be readily biodegradable. The estimated half-life (2-Butoxyethanol) in groundwater ranges from 14 days to 8 weeks; and in soil 7 days to 4 weeks.

Bioaccumulative Potential: No information available**Mobility in Soil:** No information available**Other adverse effects:** No information available

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated**Marine pollutant:** No

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

111-76-2 Ethanol, 2-butoxy-

67-63-0 Propan-2-ol

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Not Scheduled.

16 . OTHER INFORMATION

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www.msds.com.au

Abbreviations and acronyms:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds

LC₅₀: Lethal concentration, 50 percentLD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

(Contd. on page 6)

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(Contd. of page 5)

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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