

TRULUX SAFETY DATA SHEET

Provides critical information about hazardous chemicals.

1.1 COMPANY IDENTIFICATION

Company's Name: Trulux Pty Ltd
Email address: info@trulux.com.au
Website: www.trulux.com.au
Contact number: +61 (02) 9975 2655
Address: C3/ 1-3 Rodborough Rd, Frenchs Forest NSW 2086 Australia

1.2 PRODUCT IDENTIFICATION

Trade name: Erythrulose
Reference number: RMTR-0235B
Classification: Refer to clause 2

1.3 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Identified uses: Raw Material
Uses advised against: No further information available.

1.4 DETAILS OF THE SUPPLIER OF THE SUBSTANCE INFORMATION SHEET

Supplier's Company: Trulux Pty Ltd
Website: www.trulux.com.au
Address: C3/ 1-3 Rodborough Rd, Frenchs Forest NSW 2086 Australia

Trade Name: Erythrulose
TR Ref. Number: RMTR-0235B

Doc: RMSDS - Erythrulose
Rev.: 02
Rev. Date: 03/12/2021

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1.5 EMERGENCY CONTACTS – INSTITUTIONAL CENTRES

Australia

Poisons Information Centre 13 11 26

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC.

Label Elements: Not a hazardous substance or mixture.

Other Hazards: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3 COMPOSITION/ INFORMATION ON INGREDIENTS

Synonyms: L-Glycero-2-tetrol
S-1,3,4-Trihydroxy-2-butanone

Formula: $C_4H_8O_4$

Molecular Weight: 120.1 g/mol

No components need to be disclosed according to the applicable regulations.

Ingredient	INCI Name	CAS Number	Concentration (*)
As listed in the CTFA Dictionary	Erythulose	533-50-6	A
Additives	INCI Name	CAS Number	Concentration (*)

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Solvent	Water	-	C
Preservative	None	-	-
Others (buffers, antioxidants, colorants)	None	-	-

CTFA Dictionary

FDA-Code (A = > 50%, B = 25-50%, C = 10-25%, D = 5-10%, E = 1-5%, F = 0.1-1%, G = < 0.1%)

4 FIRST AID MEASURES

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Skin contact: Wash off with soap and plenty of water. Consult a physician.

Eye contact: Flush eyes with water as a precaution.

Most important symptoms and effects, both acute and delayed (if relevant):

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

5 FIRE FIGHTING MEASURES

Suitable extinguishing media: Suitable extinguishing media.
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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Special hazards arising from the substance or mixture: Carbon oxides.

Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid breathing vapors, mist or gas.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Conditions for safe storage, including any incompatibilities: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters: Contains no substances with occupational exposure limit values.

Exposure Limits: Erythrulose
ACGIH, NIOSH, OSHA - Final PELs: None listed

Environmental Exposure Control: Do not let product enter drains.

Exposure Controls:

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Odour:	Almost odourless
Flash Point:	110°C Method: closed cup
Flammability (solid, gas)	Not a highly flammable liquid.
Vapour Pressure:	1243 Pa (at 20 - 25 °C)
Relative Density:	1.391 g/cm ³
Water solubility:	soluble
pH:	2.0 - 5.0 (in 50 % water)

10 STABILITY AND REACTIVITY

Chemical Stability:	Stable under recommended storage conditions.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Hazardous decomposition products formed under fire conditions. – Carbon oxides

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

- Oral LD50 rat Dose: >2000 mg/kg for 16% Erythulose
NOEL (Rat Oral): 1000 mg/kg bw/day

Carcinogenicity

- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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- **ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- **NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- **OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Potential health effects

- **Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.
- **Ingestion:** May be harmful if swallowed.
- **Skin:** May be harmful if absorbed through skin. Causes skin irritation.
- **Eyes:** May cause eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12 ECOLOGICAL INFORMATION

Toxicity

- **Toxicity to daphnia and other aquatic invertebrates:** Not toxic to daphnia.

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- Toxicity to algae: Not toxic to freshwater algae.

Persistence and degradability: Readily biodegradable.

Results of PBT and vPvB assessment: This substance / mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as an unused product.

14 TRANSPORT INFORMATION

UN proper shipping name

- ADR/RID: Not dangerous goods.
- IMDG: Not dangerous goods.
- IATA: Not dangerous goods.

Transport hazard class(es)

- ADR/RID: No
- IMDG Marine pollutant: No
- IATA: No

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15 REGULATORY AND OTHER INFORMATION

Safety, health and environmental regulations specific for the mixture or substance:

For this product a chemical safety assessment was not carried out.

16 OTHER INFORMATION

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition or other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user.

This sheet completes the technical sheets but it does not replace them. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied is made and Trulux Pty Ltd assumes no legal responsibility or liability whatsoever resulting from its use. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product.

This listing must not be considered exhaustive. It does exonerate the user from ensuring that other legal obligations than those mentioned do not exist, relating to the use and storage of the product for which he solely is responsible.

The information and recommendations contained herein are to the best of the manufacturer's knowledge and belief accurate and reliable as of the date indicated. No representation warranty or guarantee, however, is made with regard to accuracy, reliability or completeness. Conditions of use of the material are under the control of the user; therefore, it is the user's responsibility to satisfy itself as to the suitability and completeness of such information for its own particular use.

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