

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: Heliofeel
Reference number: RMTR-0270A
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: Heliofeel
TR Ref. Number: RMTR-0270A

Doc: RMSDS - Heliofeel
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1.5 EMERGENCY CONTACTS – INSTITUTIONAL CENTRES

Australia

Poisons Information Centre 13 11 26

2 HAZARD IDENTIFICATION

Classification of the products: This product is not classified as a hazardous mixture according to CLP regulation (EC) n° 1272/2008.

Adverse human health effects: To our knowledge, no specific risk when handled in accordance with occupational hygiene and safety practices.

Environmental effects: Presents no particular risk to the environment, provided the disposal requirements (see section 13) and national or local regulations are complied with.

Fire and Explosion: According to our knowledge, no specific hazard under normal conditions of use.

3 COMPOSITION/ INFORMATION ON INGREDIENTS

Mixture mainly composed of:

Component	CAS Number	EINECS Number
Glyceryl Stearate Citrate	91744-39-7	294-601-7
Polyglyceryl-3 Stearate	68953-55-9 / 85251-77-0	286-490-9
Hydrogenated Lecithin	92128-87-5	295-786-7

Hazardous constituents: None

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4 FIRST AID MEASURES

Inhalation:	Move the affected person away from the contaminated area and into the fresh air. If irritation persists, consult a doctor.
Ingestion:	Drink water. In case of an unconscious person, don't give her anything to drink. Consult a doctor if necessary.
Skin contact:	Remove contaminated clothing. Wash off with soap and plenty of water. Consult a doctor if necessary.
Eye contact:	Rinse with plenty of water immediately, eyes opened. Consult an eye specialist.

5 FIRE FIGHTING MEASURES

Flammability:	The product is not flammable.
Suitable extinguishing media:	Carbon dioxide (CO ₂), foam, water spray.
Not suitable extinguishing media:	Water jet.
Special hazards:	On heating or during combustion, may form toxic and irritating vapours (carbon oxides).
Special Firefighting methods:	Combat the gas with a water-spray, do not dispose of fire-fighting water in the environment, do not attempt to fight the fire without suitable protective equipment.
Protection of fire-fighters:	Complete protective clothing and self-contained breathing apparatus.

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6 ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid contact with skin and eyes. Do not eat and do not breathe dusts.
Environmental precautions:	Contain the spilled material by bunding. Do not allow product to spread into the environment (soil, ground water).
Methods for cleaning up:	Collect mechanically the product by aspiration and/or sweeping . Wash non-recoverable remainder with large amounts of water. Dispose of at a licensed waste collection point.

7 HANDLING AND STORAGE

Precautions for safe handling:	No specific measures are required provided the product is handled in accordance with the general rules of occupational hygiene and safety. Avoid contact with skin and eyes. Do not smoke. Wash hands and any other zone exposed with soap and water before eating, drinking, smoking and before leaving work.
Conditions for safe storage, including any incompatibilities:	Store the container tightly closed, in a cool and dry area, at temperatures not exceeding 25 °C, protected from air, light and humidity. Incompatible materials: Strong oxidizing agents, strong acids and bases. Recommended packaging material: Original packaging (carton with inner polyethylene bag).

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8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Controls:

- Engineering Measures No specific measures are required if the product is handled in accordance with the general rules of occupational hygiene and safety.
 - Respiratory Protection If spray is formed, wear suitable breathing apparatus.
 - Body and Skin Protection Wear a protective chemical proof clothing.
 - General Hand Protection Protective rubber gloves.
The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN 374.
Breakthrough time: refer to the recommendations of the supplier.
 - Eye Protection Safety glasses with side protections. Do not carry contact lenses.
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9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Aspect:	Pellets
Colour:	Yellow to pale brown
Odour:	Characteristic

10 STABILITY AND REACTIVITY

Chemical Stability: Stable at ambient temperature (lower than 25°C) and under normal conditions of use.

Conditions to Avoid: Heat, direct light, humidity.

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Incompatible Materials:	Strong oxidizing agents, strong acids and bases.
Hazardous Decomposition Products:	On heating or during combustion, may form toxic and irritating vapours (CO, CO ₂).

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available on HELIOFEEL™. According to our knowledge, the product does not present any particular risk when handled in accordance with good occupational hygiene and safety practices.

- Glyceryl stearate citrate: Not toxic (source: NICNAS report NA/945 and CIR report dated june 14 2005).
LD50 (oral, rat) - OECD TG 401 method: > 2000 mg/kg
LD50 (dermal, rat) - OECD TG 401 method: > 2000 mg/kg
- Polyglyceryl-3 stearate: LD50 (oral, rat): > 30000 mg/kg
Not toxic (source: WHO food additives series N°5, 1974, p241-245).
- Hydrogenated Lecithin: LD50 (oral, rat): > 5000 mg/kg
Not toxic (source; CIR report (IJT 20(S1) 21-45, 2001)).

Primary Irritation - HELIOFEEL: Skin irritation study (48-hour single patch test - 10 % dilution): Not irritant (source: Report N°1.01-48H-ID-07/2679).

Eye irritation study (Cytotoxicity on SIRC Cell Strain - 10 % dilution): Low cytotoxicity (source: Report N°6.01-Stox765-ID-07/2679).

- Glyceryl stearate citrate: Skin irritation study (method: OECD 404): Slightly irritant (source: NICNAS rapport NA/945)
Eye irritation study (method: OECD 405): Non irritant (source: NICNAS report NA/945).

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- Polyglyceryl-3 stearate: Skin irritation (HRIPT test - 20% solution): Not irritant (source: IRSI report N°20040503).

Chronical effects - HELIOFEEL: Mutagenicity (AMES test - method: OECD 471): No evidence of mutagenicity (source: report n° MI.01.C_2010/613)

- Glyceryl stearate citrate: - Sensitization (method: OECD 406): Not sensitizing (source: NICNAS report NA/945).
- Mutagenicity (AMES test): Not mutagenic (source: NICNAS report NA/945).
- Polyglyceryl-3 stearate: Sensitization (HRIPT test -20% solution): Not sensitizing (source: IRSI report N°20040503). Chronic toxicity:
 - NOEL (rat): 2500 mg/kg (source: WHO food additives Series N°5, 1974 p241-245).
 - Acceptable daily intake (ADI): 0.25 mg/kg (source: WHO food additives Series N°5, 1974 p241-245).

Other Data: Glyceryl stearate citrate: Conclusions of the CIR report mention that glyceryl stearate citrate is safe in cosmetic products provided that the content of 1,2 diesters is not high enough to induce epidermal hyperplasia. Hydrogenated Lecithin: Conclusions of the CIR report mention that hydrogenated lecithin is safe as used in rinse of cosmetic products but recommend a concentration lower than 5% in leave-on products. Data are insufficient to determine the safety for use in cosmetic products where hydrogenated lecithin is likely to be inhaled. Hydrogenated Lecithin should not be used in cosmetic products in which N-nitroso compounds may be formed (source: CIR report - IJT 20(S1):21-45, 2001).

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12 ECOLOGICAL INFORMATION

- Biodegradability:**
- Polyglyceryl-3 stearate: easily biodegradable (source: supplier's data).
 - Glyceryl stearate citrate: Easily biodegradable (method: OECD 301 A)
Source: Study made in November 2010
 - Sunflower hydrogenated lecithin: Easily biodegradable, by analogy with a study made on Emulmetik™ 320 (soy hydrogenated lecithin) according to OECD 301 A.
 - Data available for HELIOFEEL: Average percentage of biodegradability: 66.57% in 28 days (method: OECD 301D) Source: Study made in October 2012.
- Bioaccumulation:**
- Glyceryl stearate citrate: The product does not have the PBT or vPvB classification criterium (source: supplier's data).
 - Polyglyceryl-3 stearate: The product does not have the PBT or vPvB classification criterium (source: supplier's data).
- Ecotoxicity:**
- This product is not considered to present any particular risk for the aquatic environment.
- Glyceryl stearate citrate: Aquatic toxicity on fish (species: Zebrafish (Brachydanio rerio)): LC50 (96h) > 100 mg/l
Method: OECD TG 203
Source: NICNAS Full public report N° NA/945

EC50 (Daphnia: Daphnia magna)/ 48 h: >100 mg/l
Method: OECD 202
Source: Study made in November 2010
 - Sunflower hydrogenated lecithin: Aquatic toxicity on daphnia was determined on Emulmetik™ 320 (soy hydrogenated lecithin)

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EC50 (Daphnia: Daphnia magna)/ 48 h: 124.16 mg/l

Method: OECD 202

Source: Study made in November 2010

Aquatic toxicity - HELIOFEEL: EC50 (Daphnia: Daphnia magna)/ 48 h: >1500 mg/l

Method: OECD 202

Source: Study made in October 2012

13 DISPOSAL CONSIDERATIONS

Waste treatment methods: Destruction/Disposal: Do not allow product to spread into the environment (soil, ground water). This material and its packaging must be disposed of in a safe way. Waste disposal according to EC directives 75/442/EEC and 91/686/EEC on waste and hazardous waste in their latest versions.

Packaging: Destruction/disposal: Empty and non-polluted packaging may be recycled.

Note: The user's attention is drawn to the possible existence of specific European, national or local regulations regarding disposal.

14 TRANSPORT INFORMATION

Note : The above regulatory prescriptions are those valid on the date of publication of this document. Given the possible evolution of transport regulations for hazardous materials, in case the present sheet is dating back to more than 12 months, it would be advisable to check their validity with your commercial agency.

LAND TRANSPORT ADR/RID :

UN Number: Not regulated

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MARITIME TRANSPORT IMDG :

UN Number: Not regulated

AIR TRANSPORT IATA :

UN Number: Not regulated

15 REGULATORY AND OTHER INFORMATION

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

EU regulation:

Chemical Safety Assessment: chemical safety assessments for substances contained in this mixture have not been carried out.

Label elements according to CLP regulation n°1272/2008:

- Hazard pictograms: None
- Signal words: None
- Hazard statements: None
- Precautionary statements: None

International regulations:

CTFA: all the ingredients of this mixture are listed.

European inventory CosIng: all the ingredients of this mixture are listed.

Note: The regulatory information given above only indicates the main regulations specifically applicable to the product described in the MSDS. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. We recommend you to refer to all applicable international, national and local regulations or provisions.

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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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