

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: Sodium Phytate
Reference number: RMTR-0214A
Classification: This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

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: Sodium Phytate

TR Ref. Number: RMTR-0214A

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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:

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as hazardous according to regulation (EC) 1272/2008 [CLP].

Acute Tox. 4 / H302 Acute toxicity (oral) Harmful if swallowed.

Skin Irrit. 2 / H315 Skin corrosion/irritation Causes skin irritation.

Eye Irrit. 2 / H319 Serious eye damage/eye irritation
Causes serious eye irritation.

Label elements - Labelling according to Regulation (EC) No. 1272/2008 [CLP]

The product is classified and labelled according to EC directives or corresponding national laws.

- Hazard pictograms: Warning
- Hazard statements: H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
- Precautionary statements: P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor/.? if you feel unwell.
P302 + P352 IF ON SKIN: Wash with plenty of water/?.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 If skin irritation occurs: Get medical advice/attention.

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P337 + P313 If eye irritation persists: Get medical advice/attention.

- Contains: myo-Inositol, hexakis(dihydrogen phosphate), sodium salt Ethanol

3 COMPOSITION/ INFORMATION ON INGREDIENTS

Mixture Description: INCI: Sodium Phytate; Aqua; Alcohol

Hazardous ingredients: Classification according to Regulation (EC) No. 1272/2008 [CLP]

Chemical Name	REACH No.	EC No. / CAS No. / INDEX No.	Concentration (%)	Classification
myo-Inositol, hexakis(dihydrogen phosphate), sodium salt	PRE-Reg 05-2114094053-54-0000	238-242-6; 14306-25-3	50,00	Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Irrit. 2 H319
Ethanol	< 1 t	200-578-6; 64-17-5; 603-002-00-5	1,00	Flam. Liq. 2 H225

Relevant R-and H-phrases (Number and full text):

Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Skin Irrit. 2 / H315	Skin corrosion/irritation	Causes skin irritation.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Flam. Liq. 2 / H225	Flammable liquids	Highly flammable liquid and vapour.

4 FIRST AID MEASURES

General information: In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice. In case of irregular breathing or respiratory arrest provide artificial respiration.

Inhalation: Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

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Ingestion:	If swallowed, immediately drink: Water Do NOT induce vomiting.
Skin contact:	Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.
Eye contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media:	Water, Powder, Foam, Sand.
Not suitable extinguishing media:	None.
Special hazards arising from the substance or mixture:	Gases: carbon monoxide, carbon dioxide, Phosphorus oxides (POx).
Advice for firefighters	In case of fire: Wear self-contained breathing apparatus. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear eye/face protection.
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Environmental precautions:	Do not allow it to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.
Methods and material for containment and cleaning up:	Isolate leaked material using non-flammable absorption agents (e.g. sand, earth, vermiculite, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

7 HANDLING AND STORAGE

Precautions for safe handling:

- | | |
|---------------------------------|---|
| 1- General protective measures: | 1- Avoid contact with skin, eyes and clothes. |
| 2- Measures to prevent Fire: | 2- Non-combustible liquids. |

Conditions for safe storage, including any incompatibilities:

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep the container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Store in a well-ventilated and dry room at temperatures between 5 °C and 30 °C. Keep the container tightly closed. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

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8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters	The product is not classified. No control parameters are to be mentioned.
Environmental exposure controls:	Do not allow it to enter into surface water or drains. See chapter 7. No additional measures necessary.
Exposure Controls:	
• General Engineering Measures	Provide good ventilation.
• Respiratory Protection	When splashes or fine mist form, a permitted breathing apparatus suitable for these purposes must be used.
• Hand Protection	Wear suitable gloves.
• Eye Protection	Wear eye/face protection.
• Protective Clothing	Wear suitable protective clothing.
• Protective Measures	After contact, clean skin thoroughly with water and soap or use an appropriate cleanser.

9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:	liquid
Physical State:	liquid
Colour:	yellow
Odour:	characteristic
Initial boiling point and boiling range:	100 °C
Flash Point:	48 °C

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Density @ 20 °C:	1,50 g/cm ³
Water solubility:	completely miscible
Viscosity @ 20 °C:	11,5 mPa·s
Solvent - Water:	50 Wt %
pH ca. 20:	1,5 - 3,5 (100,0)
Additional Information:	Colour might change during storage without consequences for the product quality.
Other Information:	The sustaining combustion test for liquids was carried out (liquid does not sustain combustion). The result is negative.

10 STABILITY AND REACTIVITY

Chemical Stability:	Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.
Possibility of Hazardous Reactions:	Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.
Incompatible Materials:	Iron. Keep only in the original container in a cool, well-ventilated place away from metals.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity - myo-Inositol, hexakis(dihydrogen phosphate), sodium salt

oral, Rat, male: 1030 mg/kg literature value

oral, Rat, female: 1200 mg/kg literature value

oral, Mouse, male: 1030 mg/kg literature value

oral, Mouse, female: 2750 mg/kg literature value

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Irritant and corrosive effects

- Product

Eyes: evaluation slightly irritant

Method: HET-CAM 2% solution

Eyes: evaluation not corrosive

Method: BCOP

Skin: evaluation Not an irritant.

Method: RIPT c = 5%

- myo-Inositol, hexakis(dihydrogen phosphate), sodium salt

Skin: Irritant; Due to its pH value (see chapter 9), irritation of the skin and eyes cannot be ruled out.

Eyes: Irritant; Due to its pH value (see chapter 9), irritation of the skin and eyes cannot be ruled out.

Sensitisation - Product

Skin: ; evaluation not sensitising.

Method: RIPT

c = 5%

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

- Product

Germ cell mutagenicity; evaluation No experimental indications of mutagenicity in-vitro exist.

Method: Ames test

- myo-Inositol, hexakis(dihydrogen phosphate), sodium salt

Germ cell mutagenicity; evaluation No experimental indications of mutagenicity in-vitro exist.

Method: Ames test literature value

Developmental toxicity/teratogenicity; evaluation No evidence for reproductive toxicity in experimental animals. literature value

Overall Assessment on CMR properties The ingredients in this preparation do not meet the criteria for classification as CMR category 1 or 2 according to 67/548/EEC.

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12 ECOLOGICAL INFORMATION

Degradation: Readily biodegradable (according to OECD criteria).

Toxicity - Product: Daphnia toxicity, EC50,
Daphnia magna (Big water flea): > 100 mg/L (48 h)
Method: OECD 202

Persistence and degradability

- Product:

Degradation: evaluation Readily biodegradable (according to OECD criteria).

Method: OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A

Degradation: evaluation Readily biodegradable (according to OECD criteria).

Method: OECD 301 F

- myo-Inositol, hexakis(dihydrogen phosphate), sodium salt

Evaluation Readily biodegradable (according to OECD criteria).

Method: OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A

Results of PBT assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Other adverse effects

According to the present state of knowledge negative ecological effects are not expected.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods: Do not allow it to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

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List of proposed waste codes/waste designations in accordance with EWC

070699: wastes not otherwise specified

Packaging Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

14 TRANSPORT INFORMATION

This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).

No hazardous good class 3 according to the UN Manual of Tests and Criteria, part III, section 32.2.5 (combustibility is not sustained).

Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage. Advices on safe handling: see parts 6 - 8

15 REGULATORY AND OTHER INFORMATION

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

EU legislation, National regulations, Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Substance/product listed in the following inventories:

AICS listed

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DSL not listed

IECSC listed

KECI not listed

MITI listed

PICCS listed

TSCA listed

Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were 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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