

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: Palmitic Acid
Reference number: RMTR-0375A
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: Palmitic Acid
TR Ref. Number: RMTR-0375A

Doc: RMSDS - Palmitic Acid
Rev.: 03
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1.5 EMERGENCY CONTACTS – INSTITUTIONAL CENTRES

Australia Poisons Information Centre 13 11 26

2 HAZARDS IDENTIFICATION

PoisonsSchedule (Aust): Not Scheduled.

Globally Harmonised System

- Hazard Classification: NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
 - Signal Word: None.
 - DangerousGoods Classification: NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code).
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3 COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Entity	Formula	CAS Number	Concentration (%)
Palmitic acid	C16H32O2	57-10-3	≤ 100

4 FIRST AID MEASURES

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention.

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Ingestion:	Rinse mouth, then drink plenty of water. Do not induce vomiting. Get medical advice/attention if large amounts were swallowed or if you feel unwell. Never give anything by mouth to an unconscious person.
Skin contact:	Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice/attention.
Eye contact:	Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.
Advice to Doctor:	No special measures required.

5 FIRE FIGHTING MEASURES

General Measures:	If safe to do so, move undamaged containers from fire area. Cool container with water spray until well after fire is out.
FlammabilityConditions:	May burn but does not ignite readily.
Suitable extinguishing media:	Use dry chemical, Carbon dioxide (CO ₂), foam or water spray for extinction - Do not use water jets
Fire andExplosion Hazard:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

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Hazardous Decomposition Products: Fire may produce irritating, toxic and/or corrosive fumes, including Carbon oxides.

Special Fire Fighting Instructions: Contain runoff from fire control or dilution water - Runoff may pollute waterways.

Personal Protective Equipment: Wear self-contained breathing apparatus (SCBA) and chemical splash suit. SCBA and structural firefighter's uniform may provide limited protection.

Flash Point: ca. 205 °C [COC]

Auto Ignition Temperature: > 250 °C

6 ACCIDENTAL RELEASE MEASURES

General Response Procedure: Ensure adequate ventilation. ELIMINATE all ignition sources. Do not touch or walk through spilled material. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing.

Clean Up Procedures: Collect material (sweep up and shovel) and keep in suitable, closed containers for disposal (see SECTION 13).

Containment: Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas. Prevent dust cloud.

Environmental Precautionary Measures: Do not allow product to reach sewage system or any water course.

Evacuation Criteria: Spill or leak area should be isolated immediately. Keep unauthorised personnel away.

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Personal Precautionary Measures: Use personal protective equipment as required (see SECTION 8).
Use respiratory protective device against the effects of fumes / dust / aerosol.

7 HANDLING AND STORAGE

Handling: Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Minimise dust generation and accumulation. Avoid breathing dust/fumes and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). Keep respiratory protective device available. WARNING! May form combustible dust concentrations in air(during processing).Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Storage: Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed. Protect from moisture. Keep away from heat and sources of ignition - No smoking. Keep away from incompatible materials (see SECTION 10).

Container: Keep only in the original container or stainless steel packaging.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

General: No specific exposure standards are available for this product. For dusts from solid substances without specific occupational exposure standards:

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- Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m³ (measured as inhalable dust).
- New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m³; TWA = 3 mg/m³ (respirable dust).

Engineering Measures:

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protection Equipment:

- Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Dust mask/particulate filter respirator (refer to AS/NZS 1715 & 1716).
- Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses with side shields or chemical goggles.
- Hand protection: Handle with gloves. Recommended: Chemical-resistant gloves, e.g. Nitrile rubber.
- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Choose body protection in relation to its type, to the concentration and amount of hazardous substance(s), and to the specific work-place.

Work Hygienic Practices:

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Take off contaminated clothing and wash before reuse. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

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9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State:	Solid
Appearance:	Flakes, pastilles, pellets, prill
Odour:	Slight, characteristic
Colour:	White
Vapour Pressure:	< 1 mmHg (@ 131 °C)
Boiling Point:	ca. 351 °C
Melting Point:	ca. 62.5 °C
Solubility:	Insoluble in water
Specific Gravity:	0.8527
Flash Point:	ca. 205 °C [COC]
Auto Ignition Temperature:	> 250 °C
Density:	ca. 0.8527 g/cm ³
Octanol Water Coefficient:	ca. 7.17 (log Pow)
Viscosity:	7.8 mPa.s (@ 70 °C)
Potential for Dust Explosion:	Risk of dust explosion if enriched with fine dust in the presence of air. As supplied, the product is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion.
Properties That May Initiate or Contribute to Fire Intensity:	May burn but does not ignite readily.
Reactions That Release Gases or Vapours:	Fire/decomposition may produce irritating, toxic and/or corrosive fumes, including Carbon oxides.

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10 STABILITY AND REACTIVITY

General Information:	No decomposition if used according to specifications.
Chemical Stability:	Stable under normal conditions of use.
Conditions to Avoid:	Avoid generating dust. Keep away from heat and sources of ignition.
Incompatible Materials:	Incompatible/reactive with strong oxidising agents.
Hazardous Decomposition Products:	Fire/decomposition may produce irritating, toxic and/or corrosive fumes, including Carbon oxides.
Hazardous Polymerisation:	Will not occur.

11 TOXICOLOGICAL INFORMATION

General Information:	Information on possible routes of exposure: <ul style="list-style-type: none">- Ingestion: Large oral doses may cause irritation to the gastro-intestinal tract.- Eye contact: No irritating effect.- Skin contact: No irritating effect. No sensitising effects known.- Inhalation: May cause irritation to the respiratory tract. Chronic effects: Negative (Mutagenicity). *When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
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Acute

- Ingestion: Acute toxicity (Oral):
 - LD50, Rat: >5,000 mg/kg bw. [OECD 401].

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Chronic

- **Reproduction:** Reproductive toxicity (Oral):
- NOAEL (dev/tera), Rat: 1,500 mg/kg bw.

Carcinogen Category: None.

12 ECOLOGICAL INFORMATION

Ecotoxicity: Aquatic toxicity:
- LC50, Fish: >1,000 mg/L (96 h) [OECD 203].
- EC50, Daphnia: >4.8 mg/l (48 h) [OECD 202].

Persistence/Degradability: Easily biodegradable.

Mobility: Koc: 13,230

Environmental Fate: Generally not hazardous for water. Avoid release to the environment.

Bioaccumulation Potential: Does not accumulate in organisms.

13 DISPOSAL CONSIDERATIONS

General Information: Dispose of contents/container in accordance with local/regional / national regulations

14 TRANSPORT INFORMATION

Land Transport (Australia) - ADG Code

- **Proper Shipping Name:** Palmitic acid
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- Class: No Data Available.
- Subsidiary Risk(s): No Data Available
- UN Number: No Data Available
- Hazchem: No Data Available.
- Pack Group: No Data Available.
- Special Provision: No Data Available
- Comments: NON-DANGEROUS GOODS: Not regulated for LAND transport.

Sea Transport - IMDG Code

- Proper Shipping Name: Palmitic acid
- Class: No Data Available.
- Subsidiary Risk(s): No Data Available
- UN Number: No Data Available
- Hazchem: No Data Available.
- Pack Group: No Data Available.
- Special Provision: No Data Available
- EMS: No Data Available.
- Marine Pollutant: No.
- Comments: NON-DANGEROUS GOODS: Not regulated for SEA transport.

Air Transport - IATA DGR

- Proper Shipping Name: Palmitic acid
- Class: No Data Available.
- Subsidiary Risk(s): No Data Available
- UN Number: No Data Available
- Hazchem: No Data Available.
- Pack Group: No Data Available.
- Special Provision: No Data Available
- Comments: NON-DANGEROUS GOODS: Not regulated for AIR transport.

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National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification

NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code).

15 REGULATORY AND OTHER INFORMATION

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

Poisons Schedule (Aust): Not Scheduled.

National/Regional Inventories

Australia (AICS): Listed.

New Zealand (NZIoC): Listed.

USA (TSCA): Listed.

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.

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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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