

# TRULUX SAFETY DATA SHEET

Provides critical information about hazardous chemicals.

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## 1.1 COMPANY IDENTIFICATION

Company's Name: Trulux Pty Ltd  
Email address: [info@trulux.com.au](mailto:info@trulux.com.au)  
Website: [www.trulux.com.au](http://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: Miranol Ultra L-32  
Reference number: RMTR-0346A  
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](http://www.trulux.com.au)  
Address: C3/ 1-3 Rodborough Rd, Frenchs Forest NSW 2086 Australia

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**TR Ref. Number:** RMTR-0346A

**Doc:** RMSDS - Miranol Ultra L32  
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- P337 + P313 If eye irritation persists: Get medical advice/attention.
- Precautionary statements - Disposal: - P501 Dispose of contents/ container to an approved waste disposal plant.

### 3 COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Nature (mixture): Aqueous solution of Sodium lauroamphoacetate.

Information on Components and Impurities

Chemical Name	CAS Number	GHS Classification	Concentration (%)
Sodium Lauroampho Acetate	68608-66-2	Acute toxicity, Category 5 ; H303 Acute toxicity, Category 5 ; H313 Eye irritation, Category 2A ; H319 Acute aquatic toxicity, Category 2 ; H401  <b>Specific concentration limit:</b> C: > 16 %, Eye irritation, Category 2; H319	30 - 40
Sodium chloride	7647-14-5	Acute toxicity, Category 5 ; H30	5 - 10
Sodium dodecanoate	629-25-4	Serious eye damage, Category 1 ; H318 Acute aquatic toxicity, Category 2 ; H401	1 - 5
Sodium glycolate	2836-32-0	Acute toxicity, Category 5 ; H303 Acute toxicity, Category 4 ; H312 Acute aquatic toxicity, Category 3 ; H402	1 - 5

#### \* Full text of H-Statements

- H303 May be harmful if swallowed.
- H312 Harmful in contact with skin.
- H313 May be harmful in contact with skin.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H401 Toxic to aquatic life.
- H402 Harmful to aquatic life.

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## 4 FIRST AID MEASURES

General Advice:	Show this safety data sheet to the doctor in attendance. First aider needs to protect himself. Place affected clothing in a sealed bag for subsequent decontamination.
Inhalation:	Negligible or unlikely exposure pathways. Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.
Ingestion:	Do NOT induce vomiting. Rinse mouth with water.
Skin contact:	Take off contaminated clothing and shoes immediately. Wash off with plenty of water. Call a physician if irritation develops or persists.
Eyes contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a physician.

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## 5 FIRE FIGHTING MEASURES

Suitable extinguishing media:	Water spray. Foam. Carbon dioxide (CO <sub>2</sub> ). Multi-purpose powders.
Not suitable extinguishing media:	High volume water jet.
Special Hazard during Fire Fighting:	On heating there is a risk of a build-up of pressure in hermetically sealed containers or tanks. On combustion, toxic gases are released. Under fire conditions: - Will burn - (following evaporation of water)

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Hazardous combustion products: On combustion or on thermal decomposition (pyrolysis) releases:

- Carbon oxides
- Nitrogen oxides (NO<sub>x</sub>)

Advice for FireFighter: Wear self-contained breathing apparatus for firefighting if necessary. Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing. Cool containers/tanks with water spray. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## 6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with the skin and the eyes. Keep away from flames and sparks. Remove all sources of ignition. Ventilate the area. Wear suitable protective clothing. Wear suitable gloves. Safety glasses with side-shields. Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions: Prevent products from entering the sewage system. Contain the spilled material by bunding. Do not let product enter drains. Do not allow uncontrolled discharge of product into the environment.

### Methods and materials for containment and cleaning up

- Recovery: Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

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- Cleaning/ decontamination Sweep up or vacuum up spillage and collect in suitable container for disposal. Never return spills in original containers for re-use. Clean contaminated surface thoroughly. Wash non-recoverable remainder with large amounts of water. Recover the cleaning water for subsequent disposal. Decontaminate tools, equipment and personal protective equipment in a segregated area.
  - Disposal Dispose of in accordance with local regulations
  - Methods for containment Keep in properly labelled containers. Keep in suitable, closed containers for disposal. Use approved industrial vacuum cleaners for removal.
  - Additional advice: Material can create slippery conditions.
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## 7 HANDLING AND STORAGE

Precautions for safe handling:

Provide adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid splashes. Avoid inhalation, ingestion and contact with skin and eyes.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Use clean, well-maintained personal protection equipment. Regular cleaning of equipment, work area and clothing. When using do not eat, drink or smoke. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. The user is responsible for monitoring the

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working environment in accordance with local laws and regulations.

Conditions for safe storage, including any incompatibilities:

Technical measures/Storage conditions:

Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. Keep the container tightly closed and dry. Keep in a well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep away from direct sunlight. Keep away from incompatible materials to be indicated by the manufacturer.

Recommended storage temperature: 10 - 49 °C

Packaging material:

Suitable material:

- Coated carbon steel with phenolic resin
- Polypropylene Homopolymer (PPH)
- Glass lined steel
- Fibre-reinforced plastic with vinylester resins
- PTFE coated tank
- PVDF coated tank
- Stainless steel 316L

Unsuitable material:

- Carbon steel
  - Stainless steel 304L
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## 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Introductory Remarks:

We are not aware of any national exposure limit.

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Environmental exposure controls: Prevent products from entering the sewage system. Contain the spilled material by bunding.

Exposure Controls:

- Engineering Controls Effective exhaust ventilation system. Avoid splashes.
- Respiratory Protection Use a respirator with an approved filter if a risk assessment indicates this is necessary.
- Hand Protection Where there is a risk of contact with hands, use appropriate gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Gloves must be inspected prior to use. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
- Eye Protection Safety glasses with side-shields.
- Skin and Body Protection
  - Protective suit
  - Impervious clothing
  - Footwear protecting against chemicals
- Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Use clean, well-maintained personal protection equipment. Regular cleaning of equipment, work area and clothing. When using do not eat, drink or smoke. Smoking, eating and drinking should be prohibited in the application area. Wash

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hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. The user is responsible for monitoring the working environment in accordance with local laws and regulations.

- Protective Measures:

The protective equipment must be selected in accordance with current CEN standards and in cooperation with the supplier of the protective equipment. Emergency equipment immediately accessible, with instructions for use. Ensure that eyewash stations and safety showers are close to the workstation location. Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards and/or risks that may occur during use.

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form:	Aqueous solution
Physical State:	liquid
Colour:	light yellow
Odour:	slight
Freezing Point:	< 0 °C
Boiling Point / Range:	100 °C
Flash Point:	does not flash (closed cup. Method: ISO 2719 )
Auto-Ignition Temperature:	470 °C ( 1,013 hPa) Method: EU Test Guideline A15

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Vapour Pressure:	31.3 hPa ( 25 °C)
Relative Density:	1.09 ( 20 °C) Method: OECD Test Guideline 109
Specific Gravity	1.17 at 25 C (77 F)
Water solubility:	Soluble
Solubility in other solvents:	Ethanol: soluble
Viscosity, dynamic:	< 5,000 mPa.s ( 25 °C)
Explosive Properties:	Not explosive. Structure-activity relationship (SAR).
Oxidising Properties:	Not considered as oxidizing, Structure-activity relationship (SAR).
pH:	9.0 - 9.5 ( 20 %) Aqueous solution

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## 10 STABILITY AND REACTIVITY

Reactivity:	Stable at normal ambient temperature and pressure.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	No dangerous reaction known under conditions of normal use.
Hazardous Decomposition Products:	On combustion or on thermal decomposition (following the evaporation of water) releases: (Carbon oxides (CO + CO <sub>2</sub> )). Nitrogen oxides (NO <sub>x</sub> )
Conditions to Avoid:	Keep away from heat and sources of ignition. Keep away from flames and sparks.
Incompatible Materials:	Strong oxidizing agents. Strong reducing agents. Strong bases. Strong acids

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## 11 TOXICOLOGICAL INFORMATION

### Acute Toxicity

- Oral: LD50 : > 5,000 mg/kg  
Rat Unpublished reports
- Dermal: LD50 > 5,000 mg/kg  
Rat Unpublished internal reports

### Skin corrosion/irritation

- Sodium Lauroampho Acetate: category approach  
Rabbit  
slight irritation  
Method: OECD Test Guideline 404  
tested on C12  
Unpublished reports

### Serious eye damage/eye irritation

- Sodium Lauroampho Acetate: category approach  
Rabbit  
irritating  
Method: OECD Test Guideline 405  
Unpublished reports  
tested on C12

### Respiratory or skin sensitisation

- Sodium Lauroampho Acetate: category approach  
Maximisation Test - Guinea pig  
Responding animals in GPMT < 30%  
Not classified as sensitising by skin contact according to GHS criteria  
Method: OECD Test Guideline 406  
Unpublished reports

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tested on C8-C18 and C18-unsatd.

Mutagenicity - Genotoxicity in vitro

- Sodium Lauroampho Acetate: category approach  
Mutagenicity (Salmonella typhimurium - reverse mutation assay)  
Strain: Salmonella typhimurium and Escherichia coli with and without metabolic activation  
  
negative  
Method: OECD Test Guideline 471  
tested on C12  
Unpublished reports  
  
category approach  
Chromosome aberration test in vitro  
Strain: Human lymphocytes with and without metabolic activation  
  
negative  
Method: OECD Test Guideline 473  
tested on C12-C14  
Unpublished reports  
  
category approach  
Gene mutation assays in mammalian cells.  
Strain: mouse lymphoma cells with and without metabolic activation  
  
negative  
Method: OECD Test Guideline 476  
tested on C12-C14  
Unpublished reports

STOT - single exposure

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- Sodium Lauroampho Acetate: The substance or mixture is not classified as specific target organ toxicant, single exposure according to GHS criteria.  
internal evaluation

STOT - repeated exposure

- Sodium Lauroampho Acetate: The substance or mixture is not classified as specific target organ toxicant, repeated exposure according to GHS criteria.  
internal evaluation
- Sodium Lauroampho Acetate: category approach  
Oral  
28 Days - Rat , female  
NOAEL: 92.5 mg/kg bw/day  
Method: OECD Test Guideline 407  
Not considered to cause serious damage to health on repeated exposure.  
Tested on C8-C18 and C18-unsatd.  
Unpublished reports

CMR effects - Mutagenicity

- Sodium LauroamphoAcetate: Not classified as mutagen according to GHS criteria.
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## 12 ECOLOGICAL INFORMATION

### Aquatic Compartment

- Acute toxicity to fish
  - Sodium Lauroampho Acetate category approach  
LC50 - 96 h : 1.6 mg/l - Oncorhynchus mykiss (rainbow trout)  
semi-static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 203
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Toxic to fish.

Freshwater species

Unpublished reports

tested on C12

- Acute toxicity to daphnia and other aquatic invertebrates

→ Sodium Lauroampho Acetate category approach

EC50 - 48 h : 2.5 mg/l - Daphnia magna (Water flea)

static test

Analytical monitoring: no

Method: OECD Test Guideline 202

Toxic to aquatic invertebrates.

Freshwater species

Unpublished reports

tested on C8-C18 and C18-unsatd.

- Toxicity to aquatic plants

→ Sodium Lauroampho Acetate category approach

ErC50 - 72 h : 14.8 mg/l - Desmodesmus subspicatus (green algae)

static test

Analytical monitoring: no

End point: Growth rate

Method: OECD Test Guideline 201

Toxic to algae.

Freshwater species

Unpublished reports

tested on C12

category approach

ErC10 - 72 h : ca. 3.8 mg/l - Desmodesmus subspicatus (green algae)

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static test

Analytical monitoring: no

End point: Growth rate

Method: OECD Test Guideline 201

No adverse chronic effect observed up to and including the threshold of 1 mg/L.

Freshwater species

Unpublished reports

tested on C12

- Toxicity to microorganisms

→ Sodium Lauroampho Acetate

category approach

NOEC - 3 h : 560 mg/l - activated sludge

static test

End point: Respiration inhibition

Method: OECD Test Guideline 209

Freshwater species

Unpublished reports

tested on C12

## Biodegradation

- Biodegradability

→ Sodium Lauroampho Acetate

category approach

Ready biodegradability study:

Method: OECD Test Guideline 301 B

100 % - 28 Days

The 10 day time window criterion is fulfilled.

The substance fulfills the criteria for ultimate aerobic biodegradability and ready biodegradability

Theoretical carbon dioxide production

Inoculum: activated sludge

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Unpublished reports  
tested on C12

- Degradability assessment: The product is considered to be rapidly degradable in the environment.

## Bioaccumulative potential

- Partition coefficient: n-octanol/water
- Sodium Lauroampho Acetate Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

## Mobility in soil

- Known distribution to environmental compartments
- Sodium Lauroampho Acetate Ultimate destination of the product: Water

## Results of PBT and vPvB assessment

- Sodium Lauroampho Acetate This substance is not considered to be persistent, bioaccumulating and toxic (PBT).  
This substance is not considered to be very persistent and very bioaccumulating (vPvB).

## Ecotoxicity assessment

- Acute aquatic toxicity: According to the available data on the components According to the classification criteria for mixtures. Toxic to aquatic life.
- Chronic aquatic toxicity: According to the available data on the components According to the classification criteria for mixtures. Does not have any known long-term adverse effects on the aquatic organisms tested

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## 13 DISPOSAL CONSIDERATIONS

Waste treatment methods: Do not let product enter drains. Dispose of as hazardous waste in compliance with local and national regulations.

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Empty the packaging completely prior to disposal. Completely empty the packaging prior to decontamination. Carefully drain and then steam clean. Offer rinsed packaging material to local recycling facilities. Dispose of contents/ container to an approved waste disposal plant. The user's attention is drawn to the possible existence of local regulations regarding disposal.  
Do not dispose of the product at a rubbish tip.

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## 14 TRANSPORT INFORMATION

ADR / RID / ADN / IMDG / IATA: Not regulated.

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your advisor.

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## 15 REGULATORY AND OTHER INFORMATION

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

### Local regulations

#### Hazardous Substance Act B.E. 2535

Neither banned nor restricted

### Inventory Information

United States TSCA Inventory - Listed on Inventory

Canadian Domestic Substances List (DSL) - Listed on Inventory

Australia Inventory of Chemical Substances (AICS) - Listed on Inventory

Japan. CSCL - Inventory of Existing and New Chemical Substances - Listed on Inventory

Korea. Korean Existing Chemicals Inventory (KECI) - Listed on Inventory

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China. Inventory of Existing Chemical Substances in China (IECSC) - Listed on Inventory

Philippines Inventory of Chemicals and Chemical Substances (PICCS) - Listed on Inventory

European Inventory of Existing Commercial Chemical Substances (EINECS) - Listed

New Zealand. Inventory of Chemical Substances - Listed

Taiwan Chemical Substance Inventory (TCSI) - Listed

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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 regards 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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