

# TRULUX SAFETY DATA SHEET

Provides critical information on hazardous substances or mixtures.

## 1.1 COMPANY IDENTIFICATION

Company's name:	Trulux Pty Ltd
Email address:	<a href="mailto:info@trulux.com.au">info@trulux.com.au</a>
Website:	<a href="http://www.trulux.com.au">www.trulux.com.au</a>
Contact number:	+61 2 5566 0566

## 1.2 PRODUCT IDENTIFICATION

Trade name:	Aculyn 28 Polymer
SKU:	RMTR-0111A
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 availalbe.

## 1.4 DETAILS OF THE SUPPLIER OF THE SUBSTANCE INFORMATION SHEET

Supplier's name:	Trulux Pty Ltd
Website:	<a href="http://www.trulux.com.au">www.trulux.com.au</a>
Address:	C3/ 1-3 Rodborough Road, Frenchs Forest NSW 2086 Australia

**Trade Name:** Aculyn 28 Polymer  
**Trulux SKU** RMTR-0111A  
**Doc:** RMSDS - Aculyn 28 Polymer

**Issue date:** 29/10/2022  
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**Version:** 04

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## 1.5 EMERGENCY CONTACTS - INSTITUTIONAL CENTRES

Australia Poisons Information Centre 13 11 26

## 2 HAZARDS IDENTIFICATION

### GHS Classification

Not classified as hazardous according to the criteria of the Work Health and Safety Regulations, Australia.

## 3 COMPOSITION/ INFORMATION ON INGREDIENTS

This product is a mixture. Contains no hazardous ingredients according to GHS.

## 4 FIRST AID MEASURES

### General Advice

If potential for exposure exists refer to Section 8 for specific personal protective equipment.

### Inhalation

Move person to fresh air and keep comfortable for breathing; consult a physician.

### Skin Contact

Wash off with plenty of water.

### Eye Contact

Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

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## **Ingestion**

Rinse mouth with water. No emergency medical treatment necessary.

## **Most important symptoms and effects, both acute and delayed**

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

## **Indication of any immediate medical attention and special treatment needed**

**Notes to physician:** No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

## **5 FIRE FIGHTING MEASURES**

### **Hazchem Code**

None Allocated.

### **Suitable extinguishing media**

To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam.

### **Special hazards arising from the substance or mixture**

#### **Hazardous combustion products**

Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Combustion products may include and are not limited to: Carbon dioxide. Carbon monoxide.

#### **Unusual Fire and Explosion Hazards**

Material can splatter above 100C/212F. This material will not burn until the water has evaporated. Residue can burn.

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## **Advice for firefighters**

### **Fire Fighting Procedures**

Keep people away. Isolate fire and deny unnecessary entry. Contain fire water run-off if possible.

### **Special protective equipment for firefighters**

Wear self-contained breathing apparatus and protective suits. If protective equipment is not available or no fight fire from a protected location or safe distance.

## **6 ACCIDENTAL RELEASE MEASURES**

### **Personal precautions**

Use personal protective equipment. Keep people away from and upwind of spill/leak. Material can create slippery conditions.

### **Environmental precautions**

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

### **Methods and materials for containment and cleaning up**

Contain spills immediately with inert materials (e.g., sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

## **7 HANDLING AND STORAGE**

### **Precautions for safe handling**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.

### **Conditions for safe storage**

Keep from freezing - product stability may be affected. STIR WELL BEFORE USE.

**Trade Name:** Aculyn 28 Polymer  
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## **Storage stability**

**Storage temperature:** 1 - 49 °C

Other data: Monomer vapors can be evolved when material is heated during processing operations.

See SECTION 8, for types of ventilation required.

## **8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**

### **Control Parameters**

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

### **Engineering controls**

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

### **Individual protection measures**

#### **Eye / Face Protection**

Use safety glasses (with side shields).

#### **Hand Protection**

Use chemical resistant gloves classified under standard AS/NZS 2161.10: Protective gloves against chemicals and microorganisms. Examples of preferred glove barrier materials include: Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). Avoid gloves made of: Polyvinyl alcohol ("PVA"). When prolonged or frequently repeated contact may occur, a glove with a protection class of 4 or higher (breakthrough time greater than 120 minutes according to AS/NZS 2161.10) is recommended. When only brief contact is expected, a glove with a protection class of 1 or higher (breakthrough time greater than 10 minutes according to AS/NZS 2161.10) is recommended. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also

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# TRULUX SAFETY DATA SHEET

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take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

**Other protection:** Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

## Respiratory Protection

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions no respiratory protection should be needed; however, if discomfort is experienced, use an approved air-purifying respirator. The following should be effective types of air-purifying respirators: Particulate filter.

## Other Information

Selection and use of personal protective equipment should be in accordance with the recommendations in one or more of the relevant Australian/New Zealand Standards, including:

AS/NZS 1336: Eye and face protection – Guidelines.

AS/NZS 1337: Personal eye protection - Eye and face protectors for occupational applications.

AS/NZS 1715: Selection, use and maintenance of respiratory protective equipment.

AS/NZS 2161: Occupational protective gloves.

AS/NZS 2210: Occupational protective footwear.

AS/NZS 4501: Occupational protective clothing Set

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid milky
Colour:	White
Odour:	Mild odour
Melting point/range:	0 °C Water

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# TRULUX SAFETY DATA SHEET

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Boiling point (760 mmHg):	100.00 °C Water
Flash Point:	Noncombustible
Evaporation Rate (Butyl Acetate = 1):	<1.00 Water
Vapour Pressure:	2266.4808000 Pa at 20.00 °C Water
Relative Vapour Density (air = 1):	<1.0000 Water
Relative Density (water = 1):	1.0100
Water solubility:	Partly miscible
Dynamic Viscosity:	100.000 mPa.s maximum
Molecular weight:	25000 - 38000 g/mol
Percent volatility:	79.00 - 81.00 % Water
pH:	3.5 - 4.0

## 10 STABILITY AND REACTIVITY

### Reactivity

No dangerous reaction known under conditions of normal use.

### Chemical Stability

Stable.

### Possibility of Hazardous Reactions

Product will not undergo polymerization.

### Incompatible Materials

There are no known materials which are incompatible with this product.

## 11 TOXICOLOGICAL INFORMATION

### Exposure routes

Ingestion, Inhalation, Skin contact, Eye contact.

**Trade Name:** Aculyn 28 Polymer  
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## **Acute toxicity (represents short term exposures with immediate effects - no chronic/delayed effects known unless otherwise noted)**

### **Acute oral toxicity**

→ **Information for the Product:**

Harmful effects not anticipated from swallowing small amounts. Very low toxicity if swallowed.

Based on product testing: LD50, Rat, male and female, > 5,000 mg/kg OECD Test Guideline 401

No deaths occurred at this concentration.

### **Acute dermal toxicity**

→ **Information for the Product:**

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

Based on testing for product(s) in this family of materials: LD50, Rat, male and female, > 5,000 mg/kg OECD Test Guideline 402 No deaths occurred at this concentration.

### **Acute inhalation toxicity**

→ **Information for the Product:**

No adverse effects are anticipated from single exposure to mist.

As product: The LC50 has not been determined.

### **Skin corrosion/irritation**

→ **Information for the Product:**

Based on product testing: Brief contact may cause slight skin irritation with local redness.

### **Serious eye damage/eye irritation**

→ **Information for the Product:**

Based on product testing: May cause slight temporary eye irritation. Corneal injury is unlikely.

### **Sensitization**

→ **Information for the Product:**

Based on product testing:

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**Version:** 04



# TRULUX SAFETY DATA SHEET

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Did not demonstrate the potential for contact allergy in mice.

Did not cause allergic skin reactions when tested in humans.

## **Specific Target Organ Systemic Toxicity (Single Exposure)**

### **→ Information for the Product:**

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

## **Aspiration Hazard**

### **→ Information for the Product:**

Based on physical properties, not likely to be an aspiration hazard.

## **Chronic toxicity (represents longer term exposures with repeated dose resulting in chronic/delayed effects - no immediate effects known unless otherwise noted)**

## **Specific Target Organ Systemic Toxicity (Repeated Exposure)**

### **→ Information for the Product:**

Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

## **Mutagenicity**

### **→ Information for the Product:**

Based on product testing: In vitro genetic toxicity studies were negative.

## **12 ECOLOGICAL INFORMATION**

### **Ecotoxicity**

#### **Acute toxicity to fish**

Material is practically non-toxic to aquatic organisms on an acute basis  
(LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).

For similar material(s): LC50, *Oncorhynchus mykiss* (rainbow trout), 96 hrs, > 100 mg/l

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**Version:** 04

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## Acute toxicity to aquatic invertebrates

For similar material(s): EC50, water flea Daphnia magna, 48 hrs, > 100 mg/l

## Acute toxicity to algae/aquatic plants

For similar material(s): Growth rate EC50, Selenastrum capricornutum (green algae), 72 hrs, Growth rate, > 1,000 mg/l, OECD Test Guideline 201

## Toxicity to bacteria

For similar material(s): EC50, activated sludge, 3 Hour, Respiration rates., > 100 mg/l, OECD Test Guideline 209

## Persistence and degradability

**Biodegradability:** Material is expected to biodegrade very slowly (in the environment). Fails to pass OECD/EEC tests for ready biodegradability.

## Results of PBT and vPvB assessment

This mixture has not been assessed for persistence, bioaccumulation and toxicity (PBT).

## 13 DISPOSAL CONSIDERATIONS

### Disposal methods

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

### Contaminated packaging

Empty containers retain product residues. Follow label warnings even after container is emptied. Improper disposal or reuse of this container may be dangerous and illegal. Refer to applicable federal, state and local regulations.

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### **ADG**

Not regulated for transport.

### **Classification for SEA transport (IMO-IMDG)**

Not regulated for transport.

### **Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code**

Consult IMO regulations before transporting ocean bulk.

### **Classification for AIR transport (IATA/ICAO)**

Not regulated for transport.

### **Hazchem Code**

None Allocated.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorised sales or customer service representative. It is the responsibility of the transporting organisation to follow all applicable laws, regulations and rules relating to the transportation of the material.

## 15 REGULATORY AND OTHER INFORMATION

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

### **Poison Schedule**

Not Scheduled.

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## **Australian Inventory of Industrial Chemicals (AIC)**

All substances contained in this product are listed on the Australian Inventory of Industrial Chemicals, or are not required to be listed.

The product contains one or more substances that are subject to a specific information requirement by the Australian Industrial Chemicals Introduction Scheme (AICIS).

## **Prohibition/Licensing Requirements**

There is no applicable prohibition, authorisation and restricted use requirements, including for carcinogens referred to in Schedule 10 of the model WHS Act and Regulations.

## **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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