

# 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: Bakuchiol  
Reference number: RMTR-0582A  
Classification: This product does not meet the criteria for classification of any hazard class according to paragraph (d) of 29 CFR 1910.1200

## 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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**Trade Name:** Bakuchiol  
**TR Ref. Number:** RMTR-0582A

**Doc:** RMSDS-Bakuchiol  
**Rev.:** 03  
**Rev. Date:** 02/12/2021

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## 1.5 EMERGENCY CONTACTS – INSTITUTIONAL CENTRES

Australia Poisons Information Centre 13 11 26

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## 2 HAZARDS IDENTIFICATION

HMIS Rating Health – 0; Flammability – 0  
Physical Hazard – 0; Personal Protection – C

Emergency Overview This product does not meet the criteria for classification of any hazard class according to paragraph (d) of 29 CFR 1910.1200

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## 3 COMPOSITION/ INFORMATION ON INGREDIENTS

Composition: Bakuchiol content  $\geq$  99 % (w/w)  
INCI name: Bakuchiol  
CAS number: 10309-37-2  
Chemical Formula:  $C_{18}H_{24}O$   
Molecular weight: 256.18  
REACH registration EC # 685-515-4  
Harmonized Tariff No: 2907110000

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## 4 FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. If needed, get medical attention.

Ingestion: If dangerous quantities of this material have been swallowed, call physician.

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Skin contact:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing.
Eyes contact:	In case of contact, immediately flush eyes with plenty of water. If symptoms persist, seek medical attention.

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## 5 FIRE FIGHTING MEASURES

Flash Point:	184 °C
Explosion Limit:	> 430 0C; Non-explosive.
Explosion Hazards in various condition:	Risks of explosion of the product in presence of static discharge: No Risks of explosion of the product in presence of mechanical conditions: No
Suitable extinguishing media:	In case of fire, use water spray (fog), foam, dry chemical, or CO <sub>2</sub> .
Protective Clothing:	Wear self-contained breathing apparatus and full protective clothing.
Special Remarks on Fire Hazards:	Irritating or toxic gases, fumes, smoke, or particulates may form upon fire.

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## 6 ACCIDENTAL RELEASE MEASURES

Small Spill and Leak:	Use a tool to absorb the oily material and place it into an appropriate labeled waste container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
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Large Spill and Leak: Use appropriate tools to put the spilled material into a labeled waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Spill Kit Information: No specific spill kit required for the product.

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## 7 HANDLING AND STORAGE

Handling Avoid contact with eyes, skin, and clothing. Avoid breathing vapors, spray or mists. Keep the container closed. Use with adequate ventilation. Wash thoroughly after handling.

Storage Store tightly closed, in original containers at 10 to 30°C. Avoid light and heat.

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## 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

### Personal Protection

- Eyes: Tightly sealed goggles.
  - Body: Lab coat.
  - Respiratory: Wear appropriate respirator when ventilation is inadequate. Ensure and MSHA/NIOSH – approved respirator or equivalent is used.
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- Hands: Protective gloves.
  - Personal Protection in case of large spill: Wear protective goggles, synthetic apron & nitrile gloves. Self-contained breathing apparatus or equivalent and full protective cloth.
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## 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:	Yellow to yellowish brown viscous liquid
Colour:	Yellow or brownish yellow
Odour:	Weak, characteristic
Molecular Weight:	256.18
Molecular Formula:	$C_{18}H_{24}O$
Boiling Point:	> 260 °C
Melting / Freezing Point:	< -20 °C
Flash Point:	184 °C
Specific gravity:	~ 0.97 g/ml at 20 °C
Vapour Pressure:	$2.69 * 10^{-5}$ Pa at 25 °C
LogPow:	$5.09 \pm 0.03$ at 20 °C
Solubility:	Insoluble in water

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## 10 STABILITY AND REACTIVITY

Stability and Reactivity:	Product is stable.
Hazardous decomposition products:	May form Carbon dioxide, Carbon monoxide.
Conditions to Avoid:	Thermal decomposition.

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## 11 TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Absorbed through Eye contact, Inhalation, Ingestion (not anticipated).

### Potential Acute Health Effects:

- Eyes: No eye irritation at use level.
- Skin: No skin irritation at use level.
- Inhalation: Not an intended route of exposure.
- Ingestion: Not an intended route of exposure.

Acute Toxicity Oral LD50 (mouse): > 2,000 mg / kg; No mortality at 2,000 mg/kg dose.  
(Mikrobiologicheskii, 42:646, 1980)

In-Vitro Eye Irritation Test  
Chorioallantoic Membrane  
Vascular Assay: The RC 50 and 95% confidence limits are 7.7%.

TA98 in Salmonella typhimurium  
Reverse Mutation Assay: Non-mutagenic.

Human Repeat Insult Patch Test  
(HRIPT) at 2 & 5% levels in corn  
oil (222 subjects): No skin sensitization. No skin irritation.

Genotoxicity: Non-genotoxic in the in-vitro micronucleus assay in human  
lymphocytes.

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## 12 ECOLOGICAL INFORMATION

Aquatic Toxicity (Daphnia magna) - New Data:	NOEC (No Observed Effect Concentration which is the highest test concentration at which no effects were observed) over the exposure period of 24 hrs. and 48 hrs. were found to be 0.3 and 0.2 mg/L.
Growth of fresh water single cell green alga (Pseudokirchneriella subcapitata):	The effect concentrations with respective 95% lower and upper confidence limits for the inhibition of growth rate, limits for the biomass inhibition and limits for the yield were found to be >1.5 mg/L each.
Biodegradability:	The biodegradability was found to be 22.82, 27.93, 36.96 and 55.70% on day 7, 14, 21 and 28, respectively.

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## 13 DISPOSAL CONSIDERATIONS

EPA Waste Number:	Non-hazardous chemical waste.
Waste Treatment:	Dispose of according to all federal, state and local regulations.

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## 14 TRANSPORT INFORMATION

Harmless natural organic compound. Not classified as dangerous goods under ADR/RID regulations.

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## 15 REGULATORY AND OTHER INFORMATION

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

Cosmetic Ingredient: Not regulated in European Union (EU), United States (US).

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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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