

Provides critical information on hazardous substances or mixtures.

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) 5566 0566
Address	C3/ 1-3 Rodborough Rd, Frenchs Forest, NSW, 2086, Australia

1.2 PRODUCTION IDENTIFICATION

Raw Material	Niacinamide
SKU	RMTR-0364A

1.3 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Identified uses	Cosmetic Raw Materials
Uses advised against	None to our knowledge

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

1.5 EMERGENCY CONTACTS - INSTITUTION CENTRE

Australia	Poison Information Centre 13 11 26
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2 HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS classification Australia in accordance with Safe Work Australia	Not classified as hazardous according to Safe Work Australia
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Labelling

Pictogram Code:	-
Signal Word:	-
Hazard Statement:	-
Precautionary Statement (Prevention)	-
Precautionary Statement (Response)	-
Storage	-

Disposal -

Additional Information

Other hazards which do not result in classification: May cause serious eye irritation.

3 COMPOSITION/ INFORMATION ON INGREDIENTS

INCI Name	CAS No	Composition Range %	Classification of Ingredient in accordance with Safe Work Australia
Niacinamide	98-92-0	100.00000	Not classified

4 FIRST AID MEASURES

If inhaled	Move to fresh air. Consult a physician after significant exposure.
In case of skin contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
In case of eye contact	Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
Most important symptoms and effects, both acute and delayed (if relevant)	No further information available.
Indication of any immediate medical attention and special treatment needed	Notes to physician: Treat symptomatically.
General Advice:	Move out of dangerous area. Show this safety data sheet to the doctor in attendance.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media	Water. Foam.
Not suitable extinguishing media	No further information available.
Special hazards arising from the substance or mixture incompatibilities	No further information available.
Specific and uses	In the event of fire, wear self-contained breathing apparatus.
Further information	No further information available.
Specific extinguishing methods:	Consider dust explosion hazard.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust.
Environmental precautions	Try to prevent the material from entering drains or water courses.
Methods and materials for containment and cleaning up:	Pick up and arrange disposal without creating dust.

7 HANDLING AND STORAGE

Precautions for safe handling

General protective measures	Smoking, eating and drinking should be prohibited in the application area. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Measures to prevent Fire	Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

No special storage conditions required. Keep container tightly closed and dry.

Specific and uses

Cosmetic preparations

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Controls (mixture)

Contains no substances with occupational exposure limit values.

Exposure Controls

General Engineering Measures

No further information available

General Industrial Hygiene Practices

No further information available.

General Hand Protections Measurements

Consider the hazard characteristics of this product and any special workplace conditions when selecting the appropriate type of protective gloves.

Glove material: for example nitrile rubber.

General Eye Protection Measures

Safety glasses with side-shields.

Respiratory protection:

In the case of dust or aerosol formation use respirator with an approved filter.

Skin and body protection:

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

9 PHYSICAL AND CHEMICAL PROPERTIES

Test Item	Comments	Unit of measurement	Specification (Lower)	Specification (Upper)
Appearance	Crystalline powder.	-	Complies	Complies
Colour	White	-	Complies	Complies
Odour	Odourless	-	Complies	Complies
pH	as aqueous solution	-	6.0	7.5
Melting point/range	-	°C	128.0	131.0
Boiling point/boiling range	224 °C (20 hPa)	-	Complies	Complies
Flash point	182 °C	-	Complies	Complies
Flammability (solid, gas)	Not highly flammable (Method: Flammability (solids)). May form combustible dust concentrations in air.	-	Complies	Complies
Vapour pressure	0.00045 hPa (25 °C; OECD Test Guideline 104)	-	Complies	Complies
Density	1.4 g/cm ³ (25 °C)	-	Complies	Complies
Water solubility	500 g/l (25 °C);	-	Complies	Complies
Solubility in other solvents	Ethanol: 660 g/l; Diethylether: ca.10 g/l; Glycerol: soluble	-	Complies	Complies
Partition coefficient: noctanol/water : log Pow	-0.38 (20 °C; OECD Test Guideline 107)	-	Complies	Complies
Auto-ignition temperature	No self ignition observed in the Grever oven at temperatures below melting point.	-	Complies	Complies
Explosive properties	Not explosive.	-	Complies	Complies
Combustibility index for deposited dust	2 (23 °C)	-	Complies	Complies

Test Item	Comments	Unit of measurement	Specification (Lower)	Specification (Upper)
Combustibility index for deposited dust	2 (100 °C)	-	Complies	Complies
Dust explosion class	St(H)2 (Milled sample, Median value of the tested sample 0.041 mm, Loss on drying 0.5 %; The value was determined in the modified Hartmann tube.)	-	Complies	Complies
Minimum ignition energy	3 - 10 mJ (Milled sample, Median value of the tested sample 0.041 mm, Loss on drying 0.5 %, EN 13821).	-	Complies	Complies
	The Minimum ignition energy (MIE) of a dust/air mix depends on the particle size the water content and the temperature of the dust. The finer and the dryer the dust the lower the MIE.	-	Complies	Complies
	General remark: The indicated dust explosion characteristics are only valid for this product and are sensitive to the sample's parameters.	-	Complies	Complies
Powder volume resistivity	ca. 5E+09 Ohmm (Product sample, Median value of the tested sample 0.170 mm, Loss on drying 0.2 %)	-	Complies	Complies
Minimum ignition temperature of a dust/air mix	480 °C (Median value of the tested sample 0.170 mm) determined in the BAM oven	-	Complies	Complies
Molecular weight	122.13 g/mol	-	Complies	Complies
Particle size	≤ 10 %, < 0.050 mm	-	Complies	Complies
Dissociation constant	pKa 3.35	-	Complies	Complies
Impact sensitivity	Not impact sensitive.	-	Complies	Complies

10 STABILITY AND REACTIVITY

Reactivity	No hazards to be specially mentioned.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous	Dust may form explosive mixture in air.
Conditions to Avoid	Heat.
Incompatible Materials	Acids and bases. Strong oxidizing agents.
Hazardous decomposition products:	Nitrogen oxides (NOx). Carbon oxides.

11 TOXICOLOGICAL INFORMATION

Acute oral toxicity:	LD50 (Rat, male and female): > 2,500 mg/kg (OECD Test Guideline 423) LD50 (Mouse): 2,500 mg/kg
Acute dermal toxicity:	LD50 (Rabbit): > 2,000 mg/kg (OECD Test Guideline 402)
Skin irritation:	No skin irritation (Rabbit, OECD Test Guideline 404). May cause skin irritation in susceptible persons.
Eye irritation:	Moderate eye irritation (Rabbit, OECD Test Guideline 405). Irritating to eyes.
Sensitisation:	Did not cause sensitization. (Guinea pig, Buehler Test, OECD Test Guideline 406)
Genotoxicity in vitro:	Not mutagenic (Ames test, OECD Test Guideline 471). Not genotoxic (Chromosome aberration test in vitro, OECD Test Guideline 473).
Genotoxicity in vivo:	Not genotoxic (In vivo micronucleus test, Mouse, OECD Test Guideline 474).
Carcinogenicity:	(Mouse) Did not show carcinogenic effects in animal experiments.

Reproductive toxicity:	No indication for adverse effects on fertility known.
Teratogenicity:	Not teratogenic (Rabbit, Oral, OECD Test Guideline 414).
STOT - single exposure (Acute exposure):	The substance or mixture is not classified as specific target organ toxicant, single exposure.
STOT - repeated exposure:	NOAEL (Oral, Rat, 28 d) : 215 mg/kg bw/d Subacute toxicity study (28 days) (OECD Test Guideline 407)
Experience with human exposure:	RDA (Recommended Daily Allowance) 15 - 18 mg
Further information:	May cause irritation of respiratory tract.
Aspiration toxicity:	No aspiration toxicity classification.

12 ECOLOGICAL INFORMATION

Toxicity to fish:	Poecilia reticulata (guppy) LC50 (96 h) > 1,000 mg/l (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates:	Daphnia magna (Water flea) EC50 (24 h) > 1,000 mg/l (OECD Test Guideline 202)
Toxicity to algae:	Desmodesmus subspicatus (green algae) IC50 (72 h) > 1,000 mg/l (OECD Test Guideline 201)
Toxicity to bacteria:	Pseudomonas putida EC10 (18 h) 4,235 mg/l
Persistence and degradability:	Readily biodegradable. 95 % (28 d) (OECD Test Guideline 301E)
Bioaccumulative potential:	log Pow -0.38 (20 °C ; OECD Test Guideline 107)
Results of PBT and vPvB assessment:	The substance does not fulfill the PBT criteria. The substance does not fulfill the vPvB criteria.

13 DISPOSAL CONSIDERATIONS

Waste from residues:	Do not contaminate ponds, waterways or ditches with chemical or used container. Offer surplus and non-recyclable solutions to a licensed disposal company. Do not dispose of waste into sewer.
Contaminated packaging:	Dispose of as unused product. Do not re-use empty containers.

14 TRANSPORT INFORMATION

Land transport - DOT	No further information available.
Sea transport - IMDG	Not regulated as a dangerous good.
Air transport - IATA/ICAO	Not regulated as a dangerous good.
UNRTDG:	Not regulated as a dangerous good.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable for product as supplied.
ADG	Not regulated as a dangerous good.

15 REGULATORY AND OTHER INFORMATION

SUSMP	Schedules	AICIS
Not scheduled	-	Listed

Legend

AICIS Listed: All CAS declared ingredients are on the inventory
AICIS Complies: One or more of the CAS listed ingredients are exempt from listing
AICIS Not listed: One or more of the CAS listed ingredients are not on the inventory and are

not exempt from listing

SUSMP Schedule: Please note that some schedules have exemptions according to the use of the material. Please follow relevant regulations/ requirements.

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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