TRULUX SAFETY DATA SHEET

Provides critical information on hazardous substances or mixtures.

Actifirm Ultra is a trademark of Lipotec.

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	Actifirm Ultra
SKU	RMTR-0660A

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

2 HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS classification Australia in accordance with Safe Work Australia	Flammable liquids, category 3

Labelling

Pictogram Code: GHS02	
Signal Word:	Warning
Hazard Statement:	H226 Flammable liquid and vapour

Precautionary Statement (Prevention)	P280 Wear protective gloves/protective clothing/eye protection/face protection. P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting/.../equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge.
Precautionary Statement (Response)	P370+P378 In case of fire: See clause 5 for extinction methods. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Storage	P403+P235 Store in a well-ventilated place. Keep cool.
Disposal	P501 Dispose of contents/container in accordance with application regulations.

Additional Information

3 COMPOSITION/ INFORMATION ON INGREDIENTS

INCI Name	CAS No	Comments	Composition Range %	Classification of Ingredient in accordance with Safe Work Australia
Centella Asiatica Extract	84696-21-9	-	40.5 - 49.5	Not classified
Rosmarinus Officinalis (Rosemary) Leaf Extract	84604-14-8	-	22.5 - 27.5	Not classified
Dipropylene Glycol	110-98-5	-	18.0 - 22.0	Not classified
Echinacea Angustifolia Leaf Extract	84696-11-7	-	4.5 - 5.5	Not classified
Sd Alcohol 40-B	64-17-5	-	4.5 - 5.5	Eye irritation, Cat 2A Flammable Liquids, Cat2

4 FIRST AID MEASURES

If inhaled	Remove exposed person to fresh air if adverse effects are observed.
In case of skin contact	Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Get medical attention if symptoms occur.
In case of eye contact	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses.
Most important symptoms and effects, both acute and delayed (if relevant)	See section 11.
Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media	CO2, Dry chemical or Foam. Water can be used to cool and protect exposed material.
Not suitable extinguishing media	No further information available.
Special hazards arising from the substance or mixture incompatibilities	Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentrations. Vapors may travel considerable distance to a source of ignition and flash back. Water may cause splattering. Container may rupture on heating.
Specific and uses	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Further information	Hazchem Code: •2Y

General fire hazards:	Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions	Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.
Environmental precautions	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.
Methods and material for containment and cleaning up:	In case of leakage, eliminate all ignition sources. Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal.
	Residual liquid can be absorbed on inert material. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements or confined areas.

7 HANDLING AND STORAGE

Precautions for safe handling

General protective measures	Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Take precautionary measures against static discharges. Ground and bond container and receiving equipment. Use nonsparking tools.
Measures to prevent Fire	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed. Keep cool. Store in a well-ventilated place. Do not store near potential sources of ignition.
Specific and uses	Cosmetic preparations

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Controls (mixture)	See "Occupational Exposure Limits"

Exposure Controls

General Engineering Measures	Use explosion-proof ventilation equipment to stay below exposure limits. Use explosion-proof ventilation equipment. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
General Industrial Hygiene Practices	Observe good industrial hygiene practices. When using do not smoke.
General Hand Protections Measurements	Use nitrile or neoprene gloves. Use good industrial hygiene practices. In case of skin contact, wash hands and arms with soap and water. Other: Wear apron or protective clothing in case of contact.
General Eye Protection Measures	Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.
Occupational exposure limits	
Chemical Name: Ethanol	Type: TWA
	Exposure Limit Values: 1,000 ppm, 1,880 mg/m3
	Source: Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A), as amended (12 2011)
Chemical Name: Ethanol	Type: STEL

	Exposure Limit Values: 1,000 ppm
	Source: US. ACGIH Threshold Limit Values, as amended (02 2012)
Chemial Name: Oxydipropanol - Inhalable fraction.	Type: Maximum allowable concentration:
	Exposure Limit Values: 100 mg/m3
	Source: Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG), as amended (2011)
Chemical Name: Ethanol	Type: Maximum allowable concentration:
	Exposure Limit Values: 200 ppm ,380 mg/m3
	Source: Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG), as amended (2017)
Chemical Name: Ethanol	Type: Time Weighted Average (TWA):
	Exposure Limit Values: 1,000 ppm, 1,920 mg/m3
	Source: UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Respiratory protection:	Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material.
	A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.
	Use respirator if irritation is experienced or if the recommended exposure limit is exceeded.

9 PHYSICAL AND CHEMICAL PROPERTIES

Test Item	Comments	Unit of measurement	Specification (Lower)	Specification (Upper)
Physical state	Liquid	-	Complies	Complies
Form	Liquid	-	Complies	Complies
Colour	Colourless to amber	-	Complies	Complies
Odour	Characteristic	-	Complies	Complies
Boiling Point	76.7 °C	-	Complies	Complies
Flash Point	28 °C (Closed Cup)	-	Complies	Complies
Relative density	25 °C	-	0.95	1.05
Solubility in Water	Soluble	-	Complies	Complies

10 STABILITY AND REACTIVITY

Reactivity	No further information available.
Chemical Stability	Material is stable under normal conditions.
Possibility of Hazardous	Hazardous polymerisation will not occur.
Conditions to Avoid	Heat, sparks, flames.
Incompatible Materials	Strong oxidizing agents. Strong acids. Strong bases. Isocyanates.
Hazardous decomposition products:	Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion. Carboxylic acids may also be formed.

11 TOXICOLOGICAL INFORMATION

Acute oral toxicity - Product:	Not classified for acute toxicity based on available data. Ingestion can cause central nervous system effects such as headache, dizziness, drowsiness, and generalized weakness.
Acute inhalation toxicity - Product:	High concentrations may cause headaches, dizziness, nausea, behavioral changes, weakness, drowsiness and stupor.
Skin corrosion/irritation - Product:	Remarks: Not classified as a primary skin irritant. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.
Serious eye damage/eye irritation - Product:	Remarks: Not classified as a primary eye irritant. Remarks: Vapors may cause irritation.
Skin sensitization - Ethanol:	Classification: Not a skin sensitizer. (Literature)
Specific Target Organ Toxicity - Single Exposure - Product:	May cause irritation to the mucous membranes and upper respiratory tract.
Carcinogenicity - Product	Evidence of the carcinogenicity of ethanol is confined to epidemiological studies assessing the impact of alcoholic beverage consumption. The evidence does not indicate any such hazard exists from exposure to ethanol in the work place.
Germ Cell Mutagenicity - Ethanol:	This material has not exhibited mutagenic or genotoxic potential in laboratory tests.
Reproductive toxicity - Ethanol:	Ethanol has been reported to cause birth defects in laboratory animals.
Specific Target Organ Toxicity - Repeated Exposure - Product:	Repeated ingestion of dipropylene glycol has produced kidney damage in laboratory animals. Ingestion of ethanol is known to cause liver damage and other chronic effects in humans. Inhalation testing using laboratory animals resulted in liver damage only at high concentrations.
Specific Target Organ Toxicity - Repeated Exposure - Oxydipropanol:	Repeated ingestion of dipropylene glycol has produced kidney damage in laboratory animals.
Specific Target Organ Toxicity - Repeated Exposure - Ethanol:	Unknown: Target Organ(s): Central nervous system., Liver

12 ECOLOGICAL INFORMATION

Fish - Oxydipropanol:	LC 50 (Fathead Minnow, 4 d): > 10,000 mg/l
Fish - Ethanol:	LC 50 (Fathead Minnow, 4 d): 15,300 mg/l
Aquatic Invertebrates - Oxydipropanol:	EC 50 (Water flea (Daphnia magna), 2 d): > 100 mg/l
Aquatic Invertebrates - Ethanol:	EC 50 (Water flea (Ceriodaphnia dubia), 2 d): 5,012 mg/l EC 50 (Water flea (Daphnia magna), 9 d): 454 mg/l NOEC (Water flea (Daphnia magna), 9 d): 9.6 mg/l
Toxicity to Aquatic Plants - Oxydipropanol:	EC 50 (72 h): > 100 mg/l
Toxicity to Aquatic Plants - Ethanol:	EC 50 (Alga, 3 d): 275 mg/l
Toxicity to microorganisms - Oxydipropanol:	EC 50 (Sludge, 0.6 d): 7,943 mg/l
Biodegradation - Oxydipropanol:	OECD TG 301 D, > 60 %, 28 d, Readily biodegradable
Biodegradation - Ethanol:	Miscellaneous, 84 %, 20 d, Readily biodegradable
Bioconcentration Factor (BCF) - Oxydipropanol:	Bioconcentration Factor (BCF): 0.3 - 4.6
Partition Coefficient n-octanol / water (log Kow) - Oxydipropanol:	Log Kow: -0.046 21.7 °C
Partition Coefficient n-octanol / water (log Kow) - Ethanol:	Log Kow: -0.35 (Measured)

13 DISPOSAL CONSIDERATIONS

Disposal instructions:	Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Dispose of packaging or containers in accordance with local, regional, national and international regulations. Empty containers retain material residue. Do not cut, weld, braze, solder, drill, grind or expose containers to heat, flame, spark or other sources of ignition.
Contaminated packaging:	Container packaging may exhibit hazards.

14 TRANSPORT INFORMATION

Land transport - DOT	See below.
Sea transport - IMDG	See below.
Air transport - IATA/ICAO	See below.

ADG	
UN number or ID number:	UN 1170
UN proper shipping name:	ETHANOL SOLUTION
Transport hazard class(es):	Class: 3
	Label(s): 3
Packing group:	III
Environmental hazards:	Not regulated.
Special precautions for user:	None established.
Hazchem Code:	•2Y

IATA	
UN number or ID number:	UN 1170
Proper shipping name:	Ethanol solution
Transport hazard class(es):	Class: 3
	Label(s): 3
Packing group:	III
Environmental hazards:	Not regulated
Special precautions for user:	None established.

IMDG	
UN number or ID number:	UN 1170
UN proper shipping name:	ETHANOL SOLUTION
Transport hazard class(es):	Class: 3
	Label(s): 3
Packing group:	III
Environmental hazards:	Not regulated.
Special precautions for user:	None established.

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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