

TRULUX SAFETY DATA SHEET

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 2 5566 0566

1.2 PRODUCT IDENTIFICATION

Trade name:	Silsoft A+ LT Fluid
SKU:	RMTR-0348A
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 name:	Trulux Pty Ltd
Website:	www.trulux.com.au
Address:	C3/ 1-3 Rodborough Road, Frenchs Forest NSW 2086 Australia

Trade Name: Silsoft A+ LT Fluid
Trulux SKU RMTR-0348A
Doc: RMSDS - Silsoft A+ LT Fluid

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1.5 EMERGENCY CONTACTS - INSTITUTIONAL CENTRES

Australia

Poisons Information Centre 13 11 26

2 HAZARDS IDENTIFICATION

Hazard Classification

Health Hazards

Toxic to reproduction, Category 2

Label Elements

Hazard Symbol



Signal Word

Warning

Hazard Statement

H361: Suspected of damaging fertility or the unborn child.

Precautionary Statement - Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Precautionary Statement - Response

IF exposed or concerned. Get medical advice attention.

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Precautionary Statement - Storage

Store locked up.

Precautionary Statement - Disposal

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC)

None.

3 COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identity	CAS Number	Concentration (%)	Notes
Glycerol	56-81-5	20 - 50	#This substance has workplace exposure limits
Octamethylcyclotetrasiloxane	556-67-2	0.1 - 1.0	

* All concentrations are percent by weight unless the ingredient is a gas. Gas concentrations are in percent by volume.

4 FIRST AID MEASURES

Ingestion

If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice. Never give liquid to an unconscious person. If vomiting Occurs, keep head low so that stomach content doesn't get into the lungs.

Inhalation

If inhaled. remove to fresh air. If not breathing, give artificial respiration, If breathing is difficult, trained personnel should give oxygen. Get medical attention immediately. Place unconscious Person on the side in the recovery position and ensure breathing can take place.

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Skin Contact

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Wash contaminated clothing before reuse. Destroy contaminated clothing and shoes.

Eye Contact

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

Indication of immediate medical attention and special treatment needed

Treatment: Treatment is symptomatic and supportive.

5 FIRE FIGHTING MEASURES

General fire Hazards

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use standard firefighting procedures and consider the hazards of other involved materials. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

Suitable extinguishing media

All standard extinguishing agents are suitable.

Unsuitable extinguishing media

Avoid water in straight hose stream, will scatter and spread fire.

Specific hazards arising from the chemical

In case of fire, carbon monoxide and carbon dioxide may be formed. Acute overexposure to the products of combustion may result in irritation of the respiratory tract. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

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Special protective equipment and precautions for firefighters

Special fire fighting procedures

Keep away from sources of ignition - No smoking. All equipment used when handling the product must be grounded.

Special protective equipment for fire-fighters

Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions

Caution: Contaminated surfaces may be slippery. Keep unprotected persons away. Avoid contact with skin and eyes. Use personal protective equipment. keep out of reach of children.

Methods and material for containment and cleaning up

Wipe, scrape or soak up in an inert material and pull in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section.

Notification Procedure

Remove sources of ignition, Pay attention to the risk of combustion by fire or other sources of ignition.

Environmental precautions

Do not allow runoff to the sewer, waterway or ground.

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7 HANDLING AND STORAGE

Precautions for safe handling

Sensitivity to static discharge is not expected. Do not get in eyes, on skin, or clothing. Do not taste or swallow.

Conditions for safe storage, including any incompatibilities

Keep in a cool, ventilated location far from the heat source and flame. Keep the container closed. Use original container or packaging of similar material of construction

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Glycerol - Total dust	PEL	15 mg/m ³	US. OSHA Table Z-T Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
Glycerol - Respirable fraction	PEL	5 mg/m ³	US. OSHA Table Z-T Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
	TWA	5 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Glycerol - Total dust	TWA	10 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Glycerol - Respirable fraction and dust or fume	TWA	5 mg/m ³	US. Tennessee OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)
Glycerol - Total dust and mist	TWA	10 mg/m ³	US. Tennessee OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)
Glycerol - Vapour	ST ESL	1000 µm/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)

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	AN ESL	100 µm/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
Octamethylcyclotetrasiloxane	TWA	5 ppm	
Octamethylcyclotetrasiloxane - Vapour	ST ESL	1000 µm/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
	AN ESL	100 µm/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
Octamethylcyclotetrasiloxane	TWA	10 ppm	US, OARS. WEELs Workplace Environmental Exposure Level Guide, as amended (2014)

Appropriate Engineering Controls

Provide eyewash station and safety shower. Local exhaust is recommended. Observe good industrial hygiene practices.

Individual protection measures, such as personal protective equipment

Eye / Face Protection

Safety glasses with side shields.

Hand Protection

Use chemical-resistant, impervious gloves.

Respiratory Protection

If inhalation exposure is expected, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for nonroutine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations see 29 CFR 1910.134).

Hygiene Measures

Avoid contact with eyes, skin, and clothing. Wash hands after handling. When using, do not eat, drink or smoke.

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9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Form:	Liquid
Colour:	Pale yellow
Odour:	Faint
Flash Point:	> 98.88 °C, ASTM D 93
Vapour Pressure:	1.33 hPa
Vapour Density:	> 1
Density:	1.05 g/cm ³
Water solubility:	Dispersible
Solubility (other):	Insoluble

10 STABILITY AND REACTIVITY

Reactivity

No dangerous reaction if used as recommended.

Chemical Stability

Material is stable under normal conditions.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Incompatible Materials

Strong Acids, Strong Bases.

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Hazardous Decomposition Products

In case of fire, gives off (emits) Oxides of silicon. Carbon oxides Measurements at temperatures above 150°C in presence of air {oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

11 TOXICOLOGICAL INFORMATION

General Information

This product is not tested.

Acute toxicity (list all possible routes of exposure)

Oral - Product

LD 50 (Rnt): > 5,000 mg/kg

Specified substance(s) - Octamethylcyclotetrasiloxane

LD 50 (Rat): > 4,800 mg/kg

Dermal - Product

LD 50 (Rat): > 2,000 mg/kg

Specified substance(s) - Octamethylcyclotetrasiloxane

LD 50 (Rat): > 2,375 mg/kg

Inhalation

Specified substance(s) - Octamethylcyclotetrasiloxane

LC50 (Rat): 36 mg/l

Skin Corrosion/Irritation

Specified substance(s) - Octamethylcyclotetrasiloxane

OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit). Slightly irritating.

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Serious Eye Damage/Eye Irritation

Specified substance(s) - Octamethylcyclotetrasiloxane

OECD Guideline 40d (Acute Eye Irritation/Corrosion (Rabbit): Non irritating

Respiratory or Skin Sensitization - Product

Human patch test: negative

The health hazard evaluation is based on the toxicological properties of a similar material.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

US. National Toxicology Program (NTP) Report on Carcinogens

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

No carcinogenic components identified.

Germ Cell Mutagenicity

In vitro - Product

Ames-Test: negative

The health hazard evaluation is based on the toxicological properties of a similar material.

Specified substance(s) - Octamethylcyclotetrasiloxane

Chromosomal aberration (OECD-Guideline 474 (Genetic Toxicology. Micronucleus Test)) Inhalation (Rat, male and female): negative

Other Effects

The health hazard evaluation is based on the toxicological properties of a similar material.

12 ECOLOGICAL INFORMATION

Acute hazards to the aquatic environment

Fish - Product

EC50 (Pimephales promelas, 96 h): > 1000 mg/l

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Toxicity to Aquatic Plants - Product

EC50 (Desmodesmus subspicatus (green algae). 72 h): > 100 mg/l

Persistence and Degradability

Specified substance(s) - Octamethylcyclotetrasiloxane

3.7% (20 d, 310 Ready Biodegradability - CO₂ in Sealed Vessels (Headspace Test)) Not readily biodegradable.

Bioaccumulative potential

Specified substance(s) - Octamethylcyclotetrasiloxane

Fathead Minnow, Bioconcentration Factor (BCF). 12.40

13 DISPOSAL CONSIDERATIONS

General Information

The generation of waste should be avoided or minimised wherever possible. See Section 8 for information on appropriate personal protective equipment. Do not discharge into drains, water courses or onto the ground.

Disposal instructions

Disposal should be made in accordance with federal, state and local regulations.

Contaminated Packaging

Dispose of as unused product.

14 TRANSPORT INFORMATION

DOT

Not regulated.

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IMDG

Not regulated.

IATA

Not regulated.

Special precautions for user

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

15 REGULATORY AND OTHER INFORMATION

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

Inventory Status

Australia AICS:	y (positive listing)	Remarks: None
EU EINECS List:	y (positive listing)	Remarks: None
Japan ENCS List:	n (negative listing)	Remarks: None
China Inventory of Existing Chemical Substances:	y (positive listing)	Remarks: None
Korea Existing Chemicals Inv. (KECL):	y (positive listing)	Remarks: None
Canada DSL Inventory List:	Q (quantity restricted)	Remarks: Please contact your local supplier for further information on the inventory status of this material.
Canada NDSL Inventory:	n (negative listing)	Remarks: None
Philippines PICCS:	y (positive listing)	Remarks: None
US TSCA Inventory:	y (positive listing)	Remarks: None
New Zealand Inventory of Chemicals:	y (positive listing)	Remarks: None
Taiwan. Taiwan inventory (CSNN):	y (positive listing)	Remarks: None
REACH:	If purchased from Momentive Performance Materials GmbH in Leverkusen, Germany. all substances	Remarks: None

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	in this product have been registered by Momentive Performance Materials GmbH or upstream in our supply chain or are exempt from registration under Regulation (EC) No 1907/2006 (REACH). For polymers, this includes the constituent monomers	
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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 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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