

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:	Dowsil 9506 Powder
SKU:	RMTR-0914A
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: Dowsil 9506 Powder
Trulux SKU RMTR-0914A
Doc: RMSDS - Dowsil 9506 Powder

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1.5 EMERGENCY CONTACTS - INSTITUTIONAL CENTRES

Australia

Poisons Information Centre 13 11 26

2 HAZARDS IDENTIFICATION

GHS Classification

Serious eye damage/eye irritation - Category 2A

Short-term (acute) aquatic hazard - Category 3

GHS label elements

Hazard pictograms



Signal Word

WARNING!

Hazard statements

Causes serious eye irritation. Harmful to aquatic life.

Precautionary statements - Prevention

Wash skin thoroughly after handling.

Avoid release to the environment.

Wear eye protection/ face protection.

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Precautionary statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/ attention.

Precautionary statements - Disposal

Dispose of contents and/or container to an approved waste disposal plant.

3 COMPOSITION/ INFORMATION ON INGREDIENTS

This product is a substance.

Substance name: Dimethyl methyl silicone resin

CASRN: 153668-87-2

Component	CAS Number	Concentration (%)
3,6,9,12-Tetraoxatetracosan-1-ol	5274-68-0	1.7 - 2.3

4 FIRST AID MEASURES

General Advice

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). 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. Suitable emergency safety shower facility should be available in work area.

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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. Suitable emergency eye wash facility should be available in work area.

Ingestion

Rinse mouth with water. No emergency medical treatment necessary.

Most important symptoms and effects, both acute and delayed:

Causes serious eye irritation.

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

Water spray. Alcohol-resistant foam. Carbon dioxide (CO₂). Dry chemical.

Special hazards arising from the substance or mixture

Hazardous combustion products

Silicon oxides. Carbon oxides.

Unusual Fire and Explosion Hazards

Exposure to combustion products may be a hazard to health.

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Advice for firefighters

Fire Fighting Procedures

Use water spray to cool unopened containers. Evacuate area. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Remove undamaged containers from fire area if it is safe to do so.

Special protective equipment for firefighters

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

Environmental precautions

Do not release the product to the aquatic environment above defined regulatory levels. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.

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7 HANDLING AND STORAGE

Precautions for safe handling

Do not get on skin or clothing. Do not breathe dust. Do not swallow. Do not get in eyes. Keep container closed when not in use. Take care to prevent spills, waste and minimise release to the environment. Handle in accordance with good industrial hygiene and safety practice. CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue follow all (M)SDS and label warnings even after container is emptied. Use only with adequate ventilation.

Conditions for safe storage

Keep in properly labelled containers. Store in accordance with the particular national regulations. Do not store with the following product types: Strong oxidising agents.

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 chemical goggles.

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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: Polyvinyl chloride ("PVC" or "vinyl"). Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). When prolonged or frequently repeated contact may occur, a glove is recommended to prevent contact with the solid material. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also 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

Under intended handling conditions, no respiratory protection should be needed.

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:	Fine powder
Colour:	White
Odour:	Slight

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Flammability (solid, gas):	Not classified as a flammability hazard.
Relative Density (water = 1):	0.98
Explosive properties:	Not explosive.
Oxidising properties:	The substance or mixture is not classified as oxidising.
Particle size:	3 µm

10 STABILITY AND REACTIVITY

Reactivity

Not classified as a reactivity hazard.

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

Can react with strong oxidising agents.

Incompatible Materials

Oxidising agents.

Hazardous decomposition products

Decomposition products can include and are not limited to: Formaldehyde.

11 TOXICOLOGICAL INFORMATION

Exposure routes

Inhalation, Eye contact, Skin contact, Ingestion.

Acute toxicity (represents short term exposures with immediate effects - no chronic/delayed effects known unless otherwise noted)

Trade Name: Dowsil 9506 Powder
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Acute oral toxicity

→ **Information for the Product:**

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

As product: Single dose oral LD50 has not been determined.

Based on information for component(s): LD50, > 5,000 mg/kg Estimated.

→ **Information for components:**

3,6,9,12-Tetraoxatetracosan-1-ol

For similar material(s): LD50, Rat, > 1,300 mg/kg

Acute dermal toxicity

→ **Information for the Product:**

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

As product: The dermal LD50 has not been determined.

Based on information for component(s): LD50, > 2,000 mg/kg Estimated.

→ **Information for components:**

3,6,9,12-Tetraoxatetracosan-1-ol

For similar material(s): LD50, Rabbit, > 2,000 mg/kg

Acute inhalation toxicity

→ **Information for the Product:**

No adverse effects are anticipated from single exposure to dust.

As product: The LC50 has not been determined.

→ **Information for components:**

3,6,9,12-Tetraoxatetracosan-1-ol

At room temperature, exposure to vapour is minimal due to low volatility; single exposure is not likely to be hazardous.

Skin corrosion/irritation

→ **Information for the Product**

Brief contact may cause slight skin irritation with local redness.

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→ **Information for components:**

3,6,9,12-Tetraoxatetracosan-1-ol

Prolonged contact may cause skin burns. Symptoms may include pain, severe local redness, swelling, and tissue damage. May cause drying and flaking of the skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

→ **Information for the Product:**

Based on information for component(s): May cause eye irritation. May cause slight corneal injury.

→ **Information for components:**

3,6,9,12-Tetraoxatetracosan-1-ol

May cause severe eye irritation.

May cause severe corneal injury.

Sensitization

→ **Information for the Product:**

For skin sensitization: Contains component(s) which did not cause allergic skin sensitization in guinea pigs.

→ **Information for components:**

3,6,9,12-Tetraoxatetracosan-1-ol

For similar material(s): Did not cause allergic skin reactions when tested in guinea pigs.

Specific Target Organ Systemic Toxicity (Single Exposure)

→ **Information for components:**

3,6,9,12-Tetraoxatetracosan-1-ol

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.

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Trulux SKU RMTR-0914A
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→ **Information for components:**

3,6,9,12-Tetraoxatetracosan-1-ol

Based on available information, aspiration hazard could not be determined.

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

Reproductive toxicity

→ **Information for components:**

3,6,9,12-Tetraoxatetracosan-1-ol

For similar material(s): In animal studies, did not interfere with reproduction.

Mutagenicity

→ **Information for components:**

3,6,9,12-Tetraoxatetracosan-1-ol

For similar material(s): In vitro genetic toxicity studies were negative.

12 ECOLOGICAL INFORMATION

Ecotoxicity

→ **3,6,9,12-Tetraoxatetracosan-1-ol**

Acute toxicity to fish

Material is highly toxic to aquatic organisms on an acute basis (LC50/EC50 between 0.1 and 1 mg/L in the most sensitive species tested).

LC50, Pimephales promelas (fathead minnow), 96 Hour, > 0.1 - 1 mg/l

Chronic toxicity to aquatic invertebrates

For similar material(s): NOEC, Daphnia magna (Water flea), 21 d, > 0.1 - 1 mg/l

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Persistence and degradability

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Biodegradability: Based on information for a similar material:

Theoretical Oxygen Demand: 2.47 mg/mg Calculated.

Photodegradation

Sensitization: OH radicals

Atmospheric half-life: 0.14 d

Method: Estimated.

Bioaccumulative potential

→ 3,6,9,12-Tetraoxatetracosan-1-ol

Bioaccumulation: Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5).

Partition coefficient: n-octanol/water(log Pow): 3.67 Estimated.

Bioconcentration factor (BCF): 134.2 Fish Estimated.

Mobility in Soil

→ 3,6,9,12-Tetraoxatetracosan-1-ol

Partition coefficient (Koc): 10 Estimated.

Results of PBT and vPvB assessment

→ 3,6,9,12-Tetraoxatetracosan-1-ol

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

Other adverse effects

→ 3,6,9,12-Tetraoxatetracosan-1-ol

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

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13 DISPOSAL CONSIDERATIONS

Disposal methods

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device.

Treatment and disposal methods of used packaging

Empty containers should be recycled or otherwise disposed of by an approved waste management facility. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Do not reuse containers for any purpose.

14 TRANSPORT INFORMATION

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.

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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.

Australian Inventory of Industrial Chemicals (AIIC)

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.

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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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