



DURALEX

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SAFETY DATA SHEET INFORMATION

For further information: Please refer to the Safety Data Sheet following

Issue: November 18

PRODUCT: Anti Mould

Other Names: Industrial Mildewcide

Uses: Wet and dry state film protection from mould and mildew.

Signal Word: Danger

UN No.:	3082
Dangerous Goods Class:	8
Subsidiary Risk:	None
Packing Group:	III
Hazchem Code:	2X
Poisons Schedule:	S6

Hazardous Nature:	Hazardous to the environment
Hazard Statement:	Aquatic Toxicant
GHS Classification:	Aspiration Toxicant: 1; Skin Corrosion/Irritation: 3; Acute Aquatic Toxicant: 3

Physical Characteristics (Typical) Section 9 of the SDS

Appearance	Pale yellow liquid.
Boiling Point/Range (°C):	> 188 C
Flash Point (°C):	> 104 C
Specific Gravity/Density (g/ml @ 15°C):	Approx. 0.98
pH:	Not established
Chemical Stability:	Stable at room temperature and pressure
Reactivity:	Excessive heat.

Product Ingredients Section 3 of the SDS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Proportion</u>
Propylene Glycol	57-55-6	90%
Biocide	Various	10%

For further ingredients information, please refer to the full MSDS

GHS Pictograms Section 2 of the SDS

Skull/crossbones Corrosive hand Dead fish/tree



DEFINITIONS

Dangerous Goods	Products that are regulated for transport under the UN International guidelines are classified as Dangerous Goods. Products can be classified by their physical characteristics and may have only one Dangerous Goods designation, although may have a subsidiary risk. These products may be Dangerous Goods for transport by Air and Sea, but may not be classed as Dangerous Goods by Road and Rail in Australia. Refer to the Australian Code for Transport of Dangerous Goods by Road and Rail (ADG) for more information.
Hazardous Substances	Hazardous Substances are those products that are intrinsically hazardous by virtue of their chemical nature, rather than as a condition of their misuse. These hazards include mutagens, teratogens, carcinogens, and products that are harmful or irritant in nature. These products may or may not carry a Dangerous Goods classification.

SUMMARY INFORMATION ONLY

Poisons

Poisons are products that are regulated by the dose or exposure, often having physical and chemical effects at certain concentrations particular to the nature of the product. The associated warnings, cautions and First Aid instruction are prescriptive under the regulation in Australia.

1. IDENTIFICATION

Product Name: Anti Mould
Other Names: Industrial Mildewcide
Chemical Family: 2-n-octyl-4-isothiazolin
Molecular Formula: Not known
Recommended Use: Wet and dry state film protection from mould and mildew.
Supplier: Duralex Paints Pty Ltd.
ABN: 17 000 392 227
Address: 3 – 5 Muriel Avenue, Rydalmere NSW 2116
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2. HAZARDS IDENTIFICATION

Hazard Nature

Hazardous to the environment

Hazard Category

T: Toxic; N: Dangerous to the Environment

GHS Classification

Aspiration Toxicant: 1; Skin Corrosion/Irritation: 3; Acute Aquatic Toxicant: 3

GHS Pictograms

Skull/crossbones

Corrosive hand

Dead fish/tree



Hazard Statement

Aquatic Toxicant

Hazard Statements

H301: Toxic if swallowed

H314: Causes severe skin burns and eye damage

H317: May cause an allergic skin reaction

H318: Causes serious eye damage

H410: Very toxic to aquatic life with long lasting effects

Precautionary Statements

P102: Keep out of reach of children.

P103: Read label before use.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Dangerous Goods Classification 8

Poisons Schedule S6

Signal Word Danger

3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS Number	Proportion (% v/v)
Propylene Glycol	57-55-6	90%
Biocide	Various	10%

4. FIRST AID MEASURES

For advice, contact Poisons Information Centre (Phone Australia: 13 1126) or a doctor.

Ingestion

If swallowed, DO NOT induce vomiting. Keep at rest. Seek immediate medical attention.

Eye Contact

Flush eyes with large amounts of water until irritation subsides. Seek immediate medical attention.

Skin Contact

Flush area with large amounts of water and wash area with soap if available. Remove contaminated clothing, including shoes, and launder before reuse. Seek medical attention for skin irritations.

Inhalation

Administer artificial respiration if breathing has stopped. Keep at rest. Seek immediate medical attention.

First Aid Facilities

Provide eye baths and safety showers.

Medical Attention

Treat according to symptoms.

5. FIRE FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress providing fire fighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

Suitable Extinguishing Media

Water jet, dry chemical or foam.

Hazards from combustion products

This product is not flammable.

Precautions for fire fighters and special protective equipment

Full protective clothing and self contained breathing apparatus.

Hazchem Code

2X

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Prevent product from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours or dusts from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

Methods and materials for containment***Major Land Spill***

- Eliminate sources of ignition.
- Warn occupants of downwind areas of possible fire and explosion hazard, where present.
- Prevent product from entering sewers, watercourses, or low-lying areas.
- Keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on the ground water.
- Contain the spilled product using the resources in the spill kit.
- Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”

Major Water Spill

- Eliminate any sources of ignition.
- Warn occupants and shipping in downwind areas of possible fire and explosion hazard, where present.
- Notify the port or relevant authority and keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Confine the spill if possible.
- Remove the product from the surface by skimming or with suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”.

7. HANDLING AND STORAGE

Precautions for Safe Handling

This product is not flammable.

Conditions for Safe Storage

Store in a cool, dry place away from direct sunlight. Protect containers from physical damage and check regularly for leaks. Avoid release to the environment, store in bunded areas and ensure exit drains are closed.

Incompatible Materials

None established

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

National Exposure Standards

The time weighted average concentration (TWA) for this product is: None established: Consider 5gm/m³, which means the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short term exposure limit (STEL) is: Not known, which is the maximum allowable exposure concentration at any time. Replacing a TWA or STEL value for some products is a Peak Limitation value (Peak): Not

established applies in this case. In addition to the exposure concentrations may be a subsidiary caution in such cases where the product is a skin sensitiser, represented as (Sen), where None applies in this case.

Biological Limit Values (BLV)

None established

Engineering Controls: Ventilation

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof equipment.

Personal Protective Equipment

Respiratory Protection: Where concentrations in air may approach or exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type 'A' filter material is considered suitable for this product.

Eye Protection: Always use safety glasses or a face shield when handling this product.

Skin/Body Protection: Always wear long sleeves, long trousers, or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves be worn when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical Value
Appearance	None	Pale yellow liquid.
Boiling Point/Range	°C	> 188 C
Flash Point	°C	> 104 C
SG/Density (@ 15°C)	g/ml; kgm ⁻³	Approx. 1.0
Vapour Pressure @ 20°C	kPa	Not known
Vapour Density @ 20°C	g/ml; kgm ⁻³	Not known
Autoignition Temperature	°C	> 400 C
Explosive Limits in Air	% vol/vol	Not known - Not known
Viscosity @ 20°C	cPs, mPas	Not known
Percent volatiles	% vol/vol	None
Acidity/alkalinity as pH	None	Not established
Solubility in Water	g/l	Glycols
Other solvents	-	

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Technical Data Sheet.

10. STABILITY AND REACTIVITY

Chemical stability

Stable at room temperature and pressure

Conditions to avoid

Excessive heat.

Hazardous decomposition products

NOX, CO, SO²

Hazardous reactions

No known reactions

Hazardous polymerisation

Will not occur

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

Swallowing will result in nausea, headache, central nervous system effects. Product can be aspirated to the lungs on vomiting resulting in chemical pneumonitis and long term lung damage. Small amounts of this product will cause irritation and a burning sensation in the throat, trachea, and oesophagus.

Eye Contact

Eye contact with this product will cause redness and swelling with a burning sensation and blurred vision. Prolonged eye damage is possible with this product.

Skin Contact

This product is corrosive to the skin and may cause burns if left on skin.

Inhalation

This product may be corrosive to lung tissue and may cause long term damage if inhaled.

Chronic Effects

Other Health Effects Information

Persons with existing skin conditions may be sensitive to this product.

Toxicological Information

Oral LD₅₀: Not established

Dermal LD₅₀: Not established

12. ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Toxicity:

- | | |
|----------------------------------|---|
| Fish Toxicity LC ₅₀ : | This product is considered harmful to aquatic environments. |
| Daphnia Magna EC ₅₀ : | This product is considered harmful to aquatic environments. |
| Blue-green algae: | This product is considered harmful to aquatic plant life. |
| Green algae: | This product is considered harmful to aquatic plant life. |

Persistence/Biodegradability: Elements of this product are expected to persist.

Mobility: This product is likely to be mobile on release to the environment.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain product residue that may be harmful. Ensure that empty packaging is managed in accordance with Dangerous Goods regulations.

Special Precautions

This product is not suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product should be treated and disposed through chemical waste treatment, or considered for use in recycling.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	3082	UN No.	3082	UN No.	3082
Proper Shipping Name	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	Proper Shipping Name	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	Proper Shipping Name	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
DG Class	8	DG Class	8	DG Class	8
Sub. Risk	None	Sub. Risk	None	Sub. Risk	None
Packing Group	III	Packing Group	III	Packing Group	III
Hazchem	2X	Hazchem	2X	Hazchem	2X

Dangerous Goods Segregation

This product is regulated as Class 8 dangerous goods, packing group III.

15. REGULATORY INFORMATION

Country/Region: Australia

Inventory: AICS

Status: Listed

Poisons Schedule: S6

16. OTHER INFORMATION

Reasons for Issue: New product; amalgamated supplier and regulatory updates in all sections

Abbreviations:

AICS: Australian Inventory of Chemical Substances

CAS Number: Chemical Abstracts Number

GHS: Global Harmonised System

IARC: International Agency for Research on Cancer

PPE: Personal Protective Equipment

N/R: Non-regulated

N/A: Not applicable

UN: United Nations

References:

- Supplier Safety Data Sheets
- <http://hsis.safework.gov.au/SearchHS.aspx> (November 18)
- Animal toxicology data: <http://chem.sis.nlm.nih.gov/chemidplus> (November 18)
- Ecotoxicology data: http://cfpub.epa.gov/ecotox/quick_query.htm (November 18)
- *Sax's Dangerous Properties of Industrial Materials*, Richard J Lewis Snr., pub. Canada (2005)

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Duralex Paints Pty Ltd.