



MATERIAL SAFETY DATA SHEET

DECKWASH

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: DECKWASH
Product type: Surface cleaning agent for maintenance of sealed and oiled outdoor timbers

Supplier: TIMBERLIFE (PTY) LTD
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2. COMPOSITION / INFORMATION ON INGREDIENTS

DECKWASH is a mixture of water repellent wax components and disinfectants / surfactants in water.

Chemical nature and use:

DECKWASH is a water-based cleaning agent with disinfectant, biocidal and water repellent properties for maintenance of sealed and oiled outdoor timbers such as wooden decks, garden furniture, etc.

Apart from cleaning and sterilizing wooden surfaces, **DECKWASH** also provides broad-spectrum protection against mould fungi, algae and bacteria whilst replenishing water repellent properties of wood coatings / finishes.

Active ingredient:

Di-n- decyl dimethylammonium chloride24 g a.i./l

Other ingredients:

Paraffin waxes (non hazardous)
Surfactants and water (non hazardous)

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3. HAZARD IDENTIFICATION

Most important hazards:

- Human health effects

Harmful if swallowed
May cause irritation of skin on repeated exposure.
Irritating to eyes
May irritate nose, throat and lungs if inhaled.
- Environmental effects

Toxic to aquatic organisms
- Physical hazards

Product is non-flammable and non-explosive. Thermal decomposition could produce irritating and toxic gases.

4. FIRST-AID MEASURES

Ingestion:

Do not induce vomiting. Drink lots of milk or water to dilute. If vomiting occurs, drink more water. Note: Do not give anything orally to an unconscious person. Seek medical attention.

Skin contact:

Remove all contaminated clothing and wash with soap and water. If irritation develops and persists, seek medical attention.

Eye contact:

Immediately flush with fresh water for at least 15 minutes. Seek medical attention if irritation develops and persists.

Inhalation:

Remove patient to fresh air. Administer oxygen and seek medical attention if necessary.

Note to physician:

If swallowed, administer gastric irrigation with added activated carbon.

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5. FIRE-FIGHTING MEASURES

Extinguishing media:

Use dry chemical powder, sand, foam or CO₂.

Flammability:

Product is not flammable.

Specific Hazards:

May release irritating gases such as NO_x, CO and HCl when exposed to high temperatures.

Protective clothing:

Self contained breathing apparatus. PVC gloves and protective boots. Cotton or polyester overalls. Safety glasses or goggles.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear gloves, safety glasses or splash-proof goggles and cotton or polyester overalls.

Environmental precautions:

Avoid contamination of rivers, dams or canals.
Prevent spillage from entering drains and ditches.

Methods for cleaning up:

Collect large quantities in suitable containers for re-use or safe disposal.
Absorb or dike with inert material such as sand or diatomaceous earth and place into containers for later disposal.
Dispose of contaminated material as waste in accordance with Section 13.

7. HANDLING AND STORAGE

Handling:

Avoid unnecessary contact with eyes and skin.

Avoid inhalation of spray and vapour.

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The use of suitable gloves and eye face protection is recommended.

In case of contact with the skin, immediately wash with soap and water.

Do not eat, drink or smoke while using the product.

Do not discharge into rivers, dams and canals.

Storage:

Keep out of reach of children, uninformed persons, and animals.

Do not store near strong oxidants.

Store in a cool, dry place away from food and foodstuffs.

Keep containers tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit : Not established

Personal protective equipment:

The use of suitable protective clothing such as overalls, rubber gloves and safety goggles during handling and use of the product is recommended.

Hygiene measures:

Wash hands with soap and water before eating, drinking or smoking.

Wash overalls and clothes regularly.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Aqueous liquid
Colour	: Whitish
Odour	: Faint
pH	: Neutral to slightly acidic
Temperature stability	: Stable at temperatures of up to 54°C
Flammability	: Not flammable
Explosion properties	: Non-explosive
Flash point	: Not applicable
Density @ 20°C	: ± 0,95 kg/ℓ
Solubility	: Soluble / miscible in water

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10. STABILITY AND REACTIVITY

- Stability** : Stable at temperatures below 54°C
Conditions to avoid : Elevated temperatures
Materials to avoid : Strong oxidants and anionic compounds
Hazardous decomposition products : Toxic gases such as nitrogen oxide, carbon monoxide and hydrogen chloride can be released

11. TOXICOLOGICAL INFORMATION

- Acute toxicity (based on active ingredient alone)** :
• Oral LD₅₀ (rat) = 645 mg / kg
• Dermal LD₅₀ (rat) = 2600 mg / kg
- Local effects** : See Section 3, "Human health effects"
- Chronic toxicity** : No evidence of carcinogenic or mutagenic effects

12. ECOLOGICAL INFORMATION

- Environmental effects** : See Section 3, "Environmental effects"
- Mobility** : The product is water soluble / miscible and therefore mobile
- Degradability** : Ingredients used in the product are biodegradable
- Bioaccumulation** : Due to biodegradation and recommended application rates, it is unlikely that bioaccumulation will attain levels of environmental significance.
- Ecotoxicity** : The product is toxic to aquatic organisms. However, no ecological problems are expected when the product is handled and used with care.

13. DISPOSAL CONSIDERATIONS

- Product waste** : Dispose of in accordance with prevailing disposal regulations. Avoid contamination of soil and water by waste product. Whenever possible, any waste product should be recovered and re-used.
- Packaging material** : Do not re-use containers. Puncture or flatten all containers before disposal.

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14. TRANSPORT INFORMATION

Active ingredient	:	Di-n- decyl dimethylammonium chloride
UN Number	:	2920
ADR / RID Class	:	6.1, Subsidiary Risk 8
IMDG / IMO Class	:	6.1, Subsidiary Risk 8
ICAO / IATA Class	:	6.1, Subsidiary Risk 8
Road / Rail	:	Liquid, toxic, non-flammable
Air / IATA	:	Liquid, toxic, non-flammable
Sea	:	Liquid, toxic, non-flammable
Packaging group	:	II/III

15. REGULATORY INFORMATION

Hazard determining component	:	Di-n- decyl dimethylammonium chloride
Risk phrases:		
R 22	:	Harmful if swallowed.
R 36/37/38	:	May be irritating to eyes, respiratory system and skin.
R 50	:	Toxic to aquatic organisms.
Safety phrases:		
S 2	:	Keep out of reach of children.
S 24/25	:	Avoid contact with skin and eyes.
S 36/37/38	:	Wear suitable protective clothing, gloves and eye/face protection.

16. OTHER INFORMATION

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct.

It is the responsibility of persons in receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product.

Compiled: July 2007