

Material Safety Data Sheet

Version: 2.0
Revision Date: 14.01.2013

1. Identification of material and supplier

Product details:

Trade name: Premier Klercide-CR Sterile Filtered Biocide B; Klercide-CR Biocide B

Recommended use: Surface Disinfectant

Supplier ECOLAB PTY LTD (A.B.N. 59 000 449 990)
2 Drake Avenue, Macquarie Park NSW 2113

E-mail address of the competent person responsible for the Safety Data Sheet:

EUR-UK-SHIELD-MSDS@ecolab.com

Emergency information:

Emergency Number: 02801 44558

2. Hazards identification

Hazards Identification:

NON HAZARDOUS SUBSTANCE.
NON DANGEROUS GOODS.

Poisons Schedule

Not a scheduled poison
(Standard for the Uniform Scheduling of Drugs and Poisons No. 23)

Classification system:

Hazard classification according to the criteria of NOHSC [NOHSC:1008(2004)]
Dangerous goods classification according to the Australia Dangerous Goods Code.

3. Composition/information on ingredients

Chemical characterization

Description Aqueous solution.

Components	CAS	Weight %	Classification
Propan-2-ol	67-63-0	<1	F; R11 Xi; R36 - R67
Didecyldimethylammonium chloride	7173-51-5	<1	Xn; R22 C; R34

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4. First aid measures

General information:	Remove contaminated clothing.
After inhalation:	May cause irritation of the throat with a feeling of tightness in the chest. Supply fresh air and call for doctor for safety reasons. In case of unconsciousness bring patient into stable side position for transport.
After skin contact:	May cause irritation and redness at the site of contact. Instantly wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
After eye contact:	May cause irritation and redness. Rinse opened eye for several minutes under running water. Use eye protection. Call a doctor immediately.
After swallowing:	May cause soreness and redness of the mouth and throat. Nausea and stomach pain may occur. Do not induce vomiting. Rinse out mouth and then drink plenty of water. In case of persistent symptoms consult doctor.

5. Fire fighting measures

Suitable extinguishing agents:	Water fog or fine spray mist (large fires).
For safety reasons unsuitable extinguishing agents:	None known.
Special hazards caused by the material, its products of combustion or flue gases:	Non-flammable. Do not allow to dry out onto cloth as product maybe ignited by heat or friction. Contact with acids, reducing agents and chlorine donors will product toxic chlorine dioxide.
Protective equipment:	Wear self-contained breathing apparatus and full protective clothing along with protective equipment.
Hazchem Code:	Not regulated.

6. Accidental release measures

Emergency procedure:
Wear protective clothing and keep away unprotected persons. Ensure adequate ventilation. Avoid skin and eye contact. Do not breathe vapours.

Environmental precautions: Do not allow to enter drainage system, surface or ground water. Inform respective authorities in case product reaches water or sewage system. Prevent material from reaching sewage system, holes and cellars.

Methods and materials for containment and clean up:
Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable containers. Dispose of the material collected according to regulations.

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7. Handling and storage

Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Avoid skin and eye contact. Avoid breathing vapours. Make sure that all applicable workplace limits are observed.

Information about protection against explosions and fires:

No special measures required.

Conditions for Safe Storage:

Store in cool, dry conditions in well-sealed containers. Keep container tightly sealed. Protect from frost. Store container in a well-ventilated position. Recommended storage temperature: 10 – 30 °C.

8. Exposure controls / personal protection

National Exposure Standards

No exposure standard has been established for this product by the Australian National Occupational Health and Safety Commission (NOHSC).

Components with critical values that require monitoring at the workplace:

Propan-2-ol 400 ppm (TWA); 983 mg/m³ (TWA)
CAS : 67-63-0 500 ppm (STEL); 1230 mg/m³ (STEL)

Biological Limit Values

No information available on biological limit values.

Engineering Controls

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protection

RESPIRATOR: Wear an approved P1 respirator where dusts/vapours are formed (AS/NZS1715/1716).

EYES: Chemical safety goggles (AS1336/1337).

HANDS: Wear PVC gloves (AS2161).

CLOTHING: Impervious coveralls and safety footwear (AS3765/2210).

9. Physical and chemical properties

Appearance:	Liquid
Colour:	Clear to pale yellow
Odour:	Slight, chlorine
Melting point/Melting range:	No information available
Boiling point/Boiling range:	90 – 95 °C
pH:	6.5 – 9.5
Flammability (solid, gas):	Not applicable
Flammability limits %:	No information available
Flash point:	>100 °C
AutoFlammability:	Product is not self-igniting
Explosive properties:	Product is not explosive
Vapour pressure:	No information available
Vapour density:	No information available
Relative density:	~ 1
Octanol/water partition coefficient:	No information available
Oxidising properties:	Not applicable

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Viscosity:	No information available
Evaporation rate (butyl acetate = 1):	No information available
Solubility in / Miscibility with Water:	Soluble
Organic Solvents:	Soluble with most solvents

10. Stability and reactivity

Chemical Stability

Product is stable under directed conditions of use, storage and temperature.

Conditions to Avoid

Avoid excessive heat, generating dust, direct sunlight, static discharges, moisture and high temperatures.

Incompatible Materials

Acids

Hazardous Decomposition Products

None known.

Hazardous Reactions

No data available.

11. Toxicological information

Acute toxicity

Didecyldimethylammonium Chloride	LD ₅₀ (oral/mouse): 268 mg/kg
CAS: 7173-51-5	LD ₅₀ (intraperitoneal/rat): 45 mg/kg
Propan-2-ol	LD ₅₀ (oral/mouse): 3600 mg/kg
CAS: 67-63-0	LD ₅₀ (oral/rat): 5045 mg/kg
	LDLO (subcutaneous/mouse): 6000 mg/kg

Chronic toxicity:

Contact with skin may irritate and cause skin dryness, cracking and dermatitis. Classified as irritating to eyes. Prompt rinsing with water can prevent tissue damage. Low order of toxicity by inhalation but likely to cause irritation to mucous membranes and respiratory tract.

12. Ecological information

Ecotoxicity

Didecyldimethylammonium Chloride	EC ₅₀ : 0,01 mg/l Crustaceans (48 hours)
CAS: 7173-51-5	EC ₅₀ : 0,11 mg/l Algae (72 or 96 hours)
	LC ₅₀ : 0,58 mg/l Fish (96 hours)
Propan-2-ol	LC ₅₀ : 4200 mg/l Fish (96 hours)
CAS: 67-63-0	

Mobility:

Readily absorbed into soil.

Persistence and degradability:

Biodegradable.

Bioaccumulative potential:

No information available.

Other adverse effects:

Negligible ecotoxicity.

13. Disposal considerations

Disposal	Disposal must be made in accordance with all local, state and federal regulations.
Special Precautions for Land Fill or Incineration	Waste disposal key numbers from EWC (European waste catalogue): 2001-30

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14. Transport information

Land transport ADG:

ADG Class: Not applicable.

Maritime transport IMDG-Code:

IMDG Class: Not applicable.

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: No applicable.

15. Regulatory information

Poisons Schedule	Not a scheduled poison (Standard for the Uniform Scheduling of Drugs and Poisons No. 23)
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16. Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R phrases:

R11: Highly flammable.

R22: Harmful if swallowed.

R34: Causes burns.

R36: Irritating to eyes.

R67: Vapours may cause drowsiness and dizziness.