

Material Safety Data Sheet

[NOHSC:2011(2003)]

Printing date: 31.03.2010

Revision: 31.03.2010

1. Identification of material and supplier

Product details:

Trade name: **PREMIER Klercide-CR Sterile Biocide A & KLERCIDE BIOCIDE A**

Recommended use: Hard Surface Disinfectant solution for use on floors walls and hard surfaces

Manufacturer:

Shield Medicare - A Division of Ecolab

Telephone: +44 (0) 1252 717616

Cheyenne House

Telefax : +44 (0) 1252 715269

West Street

Farnham

Surrey

GU9 7EQ

England

Supplier :

Ecolab Pty. Limited

Telephone: +61 (2) 9680 5444

6 Hudson Avenue

Telefax : +61 (2) 9680 1643

Castle Hill, NSW, 2154

Australia

E-mail address of the competent person responsible for the Safety Data Sheet: msds@shieldmedicare.com

Emergency information:

Emergency Number: +61 (2) 8014 4558 (24/7)

As above or a Poisons Information Centre (Australia 13 1126; New Zealand 0800 764 766)

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: 68424-85-1

N-ALKYL(C12-16)-N,N-DIMETHYL-N-BENZYLAMMONIUM CHLORIDE

Xn, R22; C, R34; N, R50

< 1 %

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4. First aid measures

General information:

First aid is not generally required. If in doubt, contact a Poisons Information Centre (Phone 13 1126) or a doctor.

After inhalation:

Keep patient calm, remove to fresh air. Seek medical attention.

After skin contact:

May cause mild irritation.

Seek medical advice if skin is contaminated by large quantities of chemical. Immediately remove all contaminated clothing and footwear. Wash the skin thoroughly with water.

After eye contact:

May cause irritation and redness.

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

Seek medical attention.

After swallowing:

May cause irritation of the throat, vomiting and diarrhoea.

If swallowed, DO NOT induce vomiting. Keep at rest and wash out mouth with water. Seek medical attention.

5. Fire fighting measures

Suitable extinguishing agents : Water fog or fine spray mist (large fires); foam, dry chemical powder.

For safety reasons unsuitable extinguishing agents : None known

Special hazards caused by the material, its products of combustion or flue gases: None known.

Protective equipment: Wear self-contained breathing apparatus and full protective clothing along with protective equipment.

Hazchem Code

Not regulated.

6. Accidental release measures

Emergency Procedures

Prevent product and extinguishing media from escaping to drains and waterways. Contain leaking packaging in a containment drum. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

Methods and Materials for Containment and Clean Up

Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified. Do not allow product to reach drains, sewers or waterways. Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

7. Handling and storage

Precautions for Safe Handling

Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment.

Conditions for Safe Storage (Including Any Incompatibles)

Store in a dry area and prevent dust cloud generation. Keep the container tightly closed. Store in a cool, well-ventilated area. Protect the container from physical damage. Store away from seeds, fertilizers, animal and human foodstuff.

Container Type

Store in original packaging as approved by manufacturer.

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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:

none.

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

Form: liquid

Colour: colourless

Smell: Barely perceptible odour

Change in condition

Melting point/Melting range: n/a

Boiling point/Boiling range: 80 - 100° Celsius

Flash point: not applicable

Self-inflammability: Product is not selfigniting.

Danger of explosion: Product is not explosive.

Density: ~ 1 mg/m³

Solubility in / Miscibility with

Water: soluble

Organic Solvents: soluble with most

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

None known.

Hazardous Decomposition Products

None known.

Hazardous Reactions

No data available.

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11. Toxicological information

Acute toxicity:

LD/LC50 values that are relevant for classification:

CAS-No.: 68424-85-1 N-Alkyl(C12-16)-N,N-dimethyl-N-benzylammonium chloride :

Acute oral toxicity (LD50):	ca. 344 mg/kg Species: rat
Acute dermal toxicity(LD50):	ca. 3,340 mg/kg Species: rabbit
Skin irritation:	Corrosive Species: rabbit Exposure time: 24 h Method: DOT
Eye irritation:	Corrosive Species: rabbit Method: DOT
Sensitization:	not sensitizing Species: guinea pig Buehler Test Method: OECD Test Guideline 406
Genotoxicity in vitro:	negative Ames test, Salmonella typhimurium Method: OECD 471
	negative Chromosome aberration test in vitro, Human lymphocytes Method: OECD 473

12. Ecological information

Ecotoxicity

Values that are relevant for classification:

CAS-No.: 68424-85-1 N-Alkyl(C12-16)-N,N-dimethyl-N-benzylammonium chloride :

Toxicity to daphnia (EC50):	< 1 mg/l Species: Daphnia magna (Water flea) Exposure time: 48 h Method: EPA-FIFRA
Toxicity to daphnia :	0.0042 mg/l Species: Daphnia magna (Water flea) Exposure time: 21 d Method: US-EPA
Toxicity to bacteria (EC100):	20 mg/l Species: Pseudomonas putida Exposure time: 96 h
Toxicity to fish (LC50):	0.28 mg/l Species: Pimephales promelas (fathead minnow) Exposure time: 96 h Method: US-EPA
Toxicity to fish (LC50):	0.93 mg/l Species: Oncorhynchus mykiss (rainbow trout) Exposure time: 96 h Method: US-EPA
Toxicity to fish (NOEC):	0.032 mg/l Species: Pimephales promelas (fathead minnow) Exposure time: 34 d Method: EPA-FIFRA

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Toxicity to fish (LC50):	0.515 mg/l Species: Bluegill sunfish Exposure time: 96 h Method: US-EPA
Toxicity to daphnia (EC50):	0.025 mg/l Species: Daphnia magna (Water flea) Exposure time: 48 h Method: EPA-FIFRA
Toxicity to daphnia (NOEL):	0.0042 mg/l Species: Daphnia magna (Water flea) Exposure time: 21 d Method: EPA-FIFRA
Toxicity to algae (ErC50):	0.049 mg/l Species: Selenastrum capricornutum (green algae) Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to bacteria (EC50):	7.75 mg/l Species: activated sludge Exposure time: 3 h Method: OECD 209
Mobility:	Soluble in water.
Persistence and degradability:	Biodegradable.
Bioaccumulative potential:	No bioaccumulation potential.
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

14. Transport information

Land transport ADG:

ADG Class: n/a

Maritime transport IMDG-Code:

IMDG Class: n/a

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: n/a

Transport/Additional information: Not dangerous according to the above specifications.

15. Regulatory information

Poisons Schedule

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

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.

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Relevant R-phrases:

The(se) R-phrase(s) are those of the ingredient(s) and do(es) not necessarily represent the classification of the preparation.

R22: Harmful if swallowed.

R34: Causes burns.

R50: Very toxic to aquatic organisms.