

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 X Unit Dose Concentrate 3035220(KCR722),
Klercide-CR Biocide X Unit Dose Concentrate 3036200 (KCR711)**

Recommended use: Hard Surface Disinfectant solution (concentrate) 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

HAZARDOUS SUBSTANCE.

DANGEROUS GOODS.



C Corrosive

Risk Phrases

R 34 Causes burns.

R43: May cause sensitisation by skin contact.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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.

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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	10 – 30 %
CAS: 91403-50-8	POLY(HEXAMETHYLE NEBIGUANIDE) HYDROCHLORIDE	R43; Xi, R36/38; N, R51/53	10 – 30 %

4. First aid measures

General information:

Immediately remove any clothing contaminated by the product.

Personal protection for the person providing first aid.

After inhalation:

There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Call a doctor immediately.

Take affected persons out of danger area and into the open air.

After skin contact:

Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Instantly wash with water and soap and rinse thoroughly.

Consult a doctor for safety reasons.

After eye contact:

Corneal burns may occur. May cause permanent damage.

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

Seek medical attention..

After swallowing:

Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Drink copious amounts of water and provide fresh air. Instantly call for doctor.

Rinse out mouth and then drink plenty of water.

Do not induce vomiting - Danger of perforation!

If swallowed, seek medical advice immediately and show this container or label.

Advice to Doctor

Treat according to symptoms.

5. Fire fighting measures

Suitable extinguishing agents :

Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

For safety reasons unsuitable extinguishing agents : None known

Special hazards caused by the material, its products of combustion or flue gases:

Corrosive. Non flammable. In combustion emits toxic fumes.

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

Hazchem Code

Not regulated.

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6. Accidental release measures

Person-related safety precautions:

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

Measures for environmental protection:

Do not allow to enter drainage system, surface or ground water.
Prevent material from reaching sewage system, holes and cellars.

Measures for cleaning/collecting:

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.

7. Handling and storage

Handling

Information for safe handling:

Ensure good ventilation/exhaustion at the workplace.
Avoid skin and eye contact under any circumstances.
Do not inhale vapours/aerosols.

Open and handle container with care.

Make sure that all applicable workplace limits are observed.

Information about protection against explosions and fires: No special measures required.

Storage

Requirements to be met by storerooms and containers:

Observe all local and national regulations for storage of water polluting products.

Information about storage in one common storage facility:

Store away from foodstuffs.
Do not store together with alkalis (caustic solutions).

Further information about storage conditions:

Keep container tightly sealed.
Store in cool, dry conditions.
Protect from frost.
Store container in a well ventilated position.

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.

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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

pH : 4 - 6

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

Strong oxidising agents. Strong acids.

Hazardous Decomposition Products

In combustion emits toxic fumes.

Hazardous Reactions

No data available.

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

CAS-No.: 91403-50-8 POLY(HEXAMETHYLENEBIGUANIDE) HYDROCHLORIDE :

Acute oral toxicity (LD50): > 2,000 mg/kg
Species: rat
Acute dermal toxicity(LD50): > 5,000 mg/kg
Species: rat

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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 (NOEL):	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
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

CAS-No.: 91403-50-8 POLY(HEXAMETHYLENEBIGUANIDE) HYDROCHLORIDE :

Toxicity to fish (LC50):	3.2 - 13 mg/l Species: Pinperch Exposure time: 96 h
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Mobility:	Readily absorbed into soil.
Persistence and degradability:	Not readily biodegradable.
Bioaccumulative potential:	No bioaccumulation potential.
Other adverse effects:	Harmful to aquatic organisms.

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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) : 2001-29

14. Transport information

Land transport ADG:

ADG Class: 8

Kemler Number: 80

UN-Number: 1760

Packaging group: II

Label: 8

Designation of goods: CORROSIVE LIQUID, N.O.S. (N-ALKYL(C12-16)-N,N-DIMETHYL-N-BENZYLAMMONIUMCHLORIDE)

Maritime transport IMDG-Code:

IMDG Class: 8

UN Number: 1760

Label: 8

Packaging group: II

EMS Number: F-A,S-B

Correct technical name: CORROSIVE LIQUID, N.O.S. (N-ALKYL(C12-16)-N,N-DIMETHYL-N-BENZYLAMMONIUMCHLORIDE)

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 8

UN/ID Number: 1760

Label: 8

Packaging group: II

Correct technical name: CORROSIVE LIQUID, N.O.S. (N-ALKYL(C12-16)-N,N-DIMETHYL-N-BENZYLAMMONIUMCHLORIDE)

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.

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.

R43: May cause sensitisation by skin contact.

R36/38: Irritating to eyes and skin.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.