

# 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 Biocide A, Klercide-CR Biocide A

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

**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
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	<1	Xn, R22 C, R34 N, R50

## 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.

# Material Safety Data Sheet

Version: 2.0  
Revision Date: 14.01.2013

## 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 procedure:**

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:**

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.

## 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).

# Material Safety Data Sheet

Version: 2.0  
Revision Date: 14.01.2013

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

## 9. Physical and chemical properties

---

<b>Appearance:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Barely perceptible odour
<b>Melting point/Melting range:</b>	Not applicable
<b>Boiling point/Boiling range:</b>	83 – 100 °C
<b>Flammability limits %:</b>	No information available
<b>Flash point:</b>	No information available
<b>AutoFlammability:</b>	Product is not self-igniting
<b>Vapour pressure:</b>	No information available
<b>Relative density:</b>	~ 1
<b>Solubility in / Miscibility with Water:</b>	Soluble
<b>Organic Solvents:</b>	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

None known.

### Hazardous Decomposition Products

None known.

### Hazardous Reactions

No data available.

# Material Safety Data Sheet

Version: 2.0  
Revision Date: 14.01.2013

## 11. Toxicological information

---

### Acute toxicity

N-Alkyl(C12-16)-N,N-dimethyl-N-benzylammonium chloride

CAS: 68424-85-1

Acute LD<sub>50</sub> (oral/rat): ca. 344 mg/kg

Acute LD<sub>50</sub> (dermal/rabbit): ca. 3,340 mg/kg

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

EC<sub>50</sub> (daphnia) < 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

EC<sub>100</sub> (bacteria)

20 mg/l

Species: Pseudomonas putida

Exposure time: 96 h

LC<sub>50</sub> (fish)

0.28 mg/l

Species: Pimephalespromelas (fathead minnow)

Exposure time: 96 h

Method: US-EPA

LC<sub>50</sub> (fish)

0.93 mg/l

Species: Oncorhynchusmykiss (rainbow trout)

Exposure time: 96 h

Method: US-EPA

NOEC (fish)

0.032 mg/l

Species: Pimephalespromelas (fathead minnow)

Exposure time: 34 d

# Material Safety Data Sheet

Version: 2.0  
Revision Date: 14.01.2013

LC <sub>50</sub> (fish)	Method: EPA-FIFRA 0.515 mg/l Species: Bluegill sunfish Exposure time: 96 h
EC <sub>50</sub> (daphnia)	Method: US-EPA 0.025 mg/l Species: Daphnia magna (Water flea) Exposure time: 48 h
NOEL (daphnia)	Method: EPA-FIFRA 0.0042 mg/l Species: Daphnia magna (Water flea) Exposure time: 21 d
ErC <sub>50</sub> (algae)	Method: EPA-FIFRA 0.049 mg/l Species: Selenastrumcapricornutum (green algae) Exposure time: 72 h
EC <sub>50</sub> (bacteria)	Method: OECD Test Guideline 201 7.75 mg/l Species: activated sludge Exposure time: 3 h Method: OECD 209
<b>Mobility:</b>	Soluble in water.
<b>Persistence and degradability:</b>	Biodegradable.
<b>Bioaccumulative potential:</b>	No bioaccumulation potential.
<b>Other adverse effects:</b>	Negligible ecotoxicity.

## 13. Disposal considerations

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

## 14. Transport information

<b>Land transport ADG:</b>	
ADG Class:	Not applicable.
<b>Maritime transport IMDG-Code:</b>	
IMDG Class:	Not applicable.
<b>Air transport ICAO-TI and IATA-DGR:</b>	
ICAO/IATA Class:	No applicable.

## 15. Regulatory information

<b>Poisons Schedule</b>	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:

R-phrase(s) are those of the ingredients and do not necessarily represent the classification of the preparation.  
R22: Harmful if swallowed.

# Material Safety Data Sheet

Version: 2.0  
Revision Date: 14.01.2013

R34: Causes burns.

R50: Very toxic to aquatic organisms.