

# 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 Filtered Biocide B & Klercide Biocide B**

**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](mailto: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.

NON DANGEROUS GOODS.



Xi, Irritant

### Risk Phrases

R36/38: Irritating to eyes and skin.

### Safety Phrases

S2: Keep out of the reach of children.

S3/9/14: Keep in a cool, well ventilated place away from acids.

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.

### 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:** Mixture of the substances listed below with nonhazardous additions.

<b>Components:</b>			
CAS: 7758-19-2	SODIUM CHLORITE	T, R23/24; Xn, R22; Xi, R41	1 – 10 %
CAS : 68439-46-3	C9-11 ALCOHOL ETHOXYLATE WITH 12 MEO	Xn, R22; Xi, R41	1 – 10 %
CAS: 67-63-0	PROPAN-2-OL	F, R11; Xi, R36; R67	1 – 10 %
CAS: 7173-51-5	DIDECYLDIMETHYLA MMONIUM CHLORIDE	Xn, R22; C, R34	< 1 %

## 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.

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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.

Inform respective authorities in case product reaches water or sewage system.

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.

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.

### Storage

#### Further information about storage conditions:

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:

CAS : 67-63-0 Propan-2-ol : 400 ppm (TWA); 983 mg/m<sup>3</sup> (TWA)

500 ppm (STEL); 1230 mg/m<sup>3</sup> (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).

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## 9. Physical and chemical properties

**Form:** liquid  
**Colour:** clear to pale yellow  
**Smell:** Slight, chlorine

### Change in condition

**Melting point/Melting range:** n/a

**Boiling point/Boiling range:** 90 - 95° Celsius

**Flash point:** not applicable

**Self-inflammability:** Product is not selfigniting.

**Danger of explosion:** Product is not explosive.

**Density:** ~ 1 mg/m<sup>3</sup>

**pH :** 6.5 – 9.5

### 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

Acids.

### Hazardous Decomposition Products

None known.

### Hazardous Reactions

No data available.

## 11. Toxicological information

### Acute toxicity:

#### LD/LC50 values that are relevant for classification:

CAS: 7173-51-5 Didecyldimethylammonium Chloride :	ORL MUS LD50 :	268 mg/kg
	IPR RAT LD50 :	45 mg/kg
CAS : 67-63-0 Propan-2-ol :	IVN RAT LD50 :	1088 mg/kg
	ORL MUS LD50 :	3600 mg/kg
	ORL RAT LD50 :	5045 mg/kg
	SCU MUS LDLO :	6 gm/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

**Mobility:** Readily absorbed into soil.  
**Persistence and degradability:** Biodegradable.  
**Bioaccumulative potential:** No data available.  
**Other adverse effects:** Negligible ecotoxicity.

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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) : 2001-30

## 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.

### Relevant R-phrases:

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

R23/24: Toxic by inhalation and in contact with skin.

R22: Harmful if swallowed.

R41: Risk of serious damage to eyes.

R34: Causes burns.

R11: Highly flammable.

R36: Irritating to eyes.

R67: Vapours may cause drowsiness and dizziness.