



Sterimatic Worldwide Ltd
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Registered in England and Wales Number: 4592319

Biocide Material Safety Data Sheet.

The biocide used within the Sterimatic Stericap has a long history of successful, safe and trouble free use around the world by farmers, multinational pharmaceutical companies, public health laboratories and Agricultural ministries.

The Biocide is mixed & supplied to Sterimatic by;
Rutpen Ltd
Membury Airfield, Lambourn
Reading, RG17 7TJ, UK
Tel: +44 (0) 148871926 Fax: +44 (0) 1488 71947

1. Identification & composition of the product.

The Biocide is a solution in water and a mixture of;

- A) 5% Bardac 22 .
- B) 2.5% Gluteraldehyde
- C) 92.5% de-ionised water.

A) Bardac 22

Product:	Bardac 22
Components:	Didecyl Dimethyl Ammonium Chloride (in 20% Isopropanol / 30% water)
Supplied by:	Lonza
Biocidal Product Directive (BPD) (Dir 98/8/EC)	Product has been Notified. (N070)
EPA registration:	6836-18
EINECS No:	230-525-2
Biodegradable:	Complies with OECD requirements

The product is offered as a disinfectant in the hospital, food and veterinary industries.

B) 50% Glutaraldehyde

Product:	50% Glutaraldehyde
Components:	50% Gluteraldehyde and 50% water
Supplied by:	BDH
Biocidal Product Directive (BPD) (Dir 98/8/EC)	Product has been Notified.
EPA registration:	464-705
CAS registration:	111-30-8
EINECS No:	203-856-5
Biodegradable:	Complies with OECD requirements

Glutaraldehyde has a wide range of recommended uses as a disinfectant.

2. Hazards identification

Harmful by inhalation and if swallowed. Irritating to respiratory system & skin. Risk of damage to eyes. May cause sensitization by inhalation and skin contact.

3. First Aid measures

- a. Eye contact: Irrigate thoroughly with water for at least 10 minutes. If discomfort persists, obtain medical attention.
- b. Inhalation: Remove from exposure, rest & keep warm. In severe cases seek medical attention.
- c. Skin contact: Wash off thoroughly with soap and water. Remove contaminated clothing and wash before re-use. In severe cases seek medical attention.

4. Fire fighting measures

Special risks: Not combustible. May evolve toxic fumes in fire.
 Suitable extinguishing media: To suit environment

5. Accidental release measures.

Wear appropriate protective clothing.
 Mop up using an absorbent cloth and transfer to a suitable container. Arrange removal by a disposal company. Wash site of spillage thoroughly with water and detergent.

6. Handling and storage

Handling: Do not eat, drink or smoke whilst handling. Do not inhale substance. Wash face and hand thoroughly after working with material. Clothing should be removed and cleaned before re-use. Do not empty into drains.

Storage: Store at room temperature (15-25C recommended). Keep well closed and protect from direct sunlight and moisture.

7. Exposure controls / personal protection.

As appropriate to the situation and the quantity handled. Engineering methods to control or prevent exposure are preferred.

Respirator: required when vapours aerosols are generated.

Ventilation: Fume cupboard required when vapours aerosols are generated.

Eye protection: Goggles

Gloves: required when handling

Other precautions: Plastic apron, sleeves and boots if handling large quantities

8. Physical & Chemical properties.

Form:	Liquid
Colour:	Colourless to slightly yellowish
Odour:	Fruit like
Melting temperature:	Not applicable
Boiling temperature	Not available
Flash Point:	Not available

9. Stability and reactivity

Stable.

Substances to be avoided, alkali hydroxides.

10. Toxicological information

- a. After skin contact: Slight irritation. Prolonged contact with skin can result in risk of sensitisation, dermatitis. Danger of skin absorption
- b. After eye contact: Severe irritation
- c. After ingestion: Irritation of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.
- d. After inhalation: when vapour / mists are generated. Irritation systems in the respiratory tract.

After the uptake of large quantities: possible effects are damage to the bladder. Further hazardous properties cannot be excluded. The product should be handled with the usual care when dealing with chemicals.

Gluteraldehyde:

LD50 (oral rat)(100% Gluteraldehyde): 134mg/kg

LD50 (Inhalation, rat)(100% Gluteraldehyde): 480 mg/m³/4h

LD50 (dermal rat)(100% Gluteraldehyde): >2500 mg/kg

Evidence of teratogenic effects (TD₀₁ (oral rat)(100% Gluteraldehyde): 1g/kg

Evidence of reproductive effects.

Gluteraldehyde classified as a cause of asthma using EU criteria.

Bardac 22

LD50 (oral rat): 645mg/kg

LD50 (dermal rat): 2600 mg/kg

Not mutagenic according to tests carried out in vitro and in vivo

Primary skin irritation: corrosive

11. Ecological Data:

Biological degradability: Moderate

Adverse ecological effects cannot be excluded in the event of improper handling or disposal. Do not allow to enter drinking water supplies, waste water or soil.

12. Disposal considerations

Chemical residues are generally classified as special waste and as such are covered by regulations that vary according to location.

13. Transport information

Not subject to transport regulations.



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14. Regulatory information:

Symbol: Xn Harmful

R-Phrases: R20/22-37/38-41 42/43

Harmful by inhalation and if swallowed. Irritating to respiratory system and skin. Risk of damage to eyes. May cause sensitization by inhalation and skin contact.

S-Phrases: S32C-24-36/37/39-45

Do not breathe spray. Avoid contact with skin. Wear suitable protective clothing such as gloves and eye protection. In case of accident or if you feel unwell, seek medical advice immediately and show the label where possible.

15. Other:

Within the UK the use of this material must be assessed under the control of substances hazardous to Health (COSHH) Regulations

UK exposure limits: MEL- Gluteraldehyde:

Long term : 0.2mg/m³ (0.05ppm) short term : 0.2 mg/m³ (0.05 ppm) (sen)

Produced: 10th August 2007.

Headed paper changed January 2013