

SAFETY DATA SHEET

Beta RFU

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier:

Product code/part no.	Product identifier
ZSBTo2500	CleanGuard 3 Beta Trigger Spray (500ml)
ZSBTo4005	CleanGuard Beta 5L RTU
WSBT02009	VeriGuard 8 Beta Sessional Wipes
MSMB01016	PureGuard 4 Disposal Mop Pre-Saturated with Beta (stacked in 10s)
MSMB04116	PureGuard 4 Disposal Mop Pre-Saturated with Beta (individually packed)
-	Cleanroom Mop System Pre-Saturated with Beta

Substance name: Beta (RFU/ready for use)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: Surface disinfection

1.3. Details of the supplier of the Safety Data Sheet

Manufacturer/supplier: Micronclean
Address: Roman Bank
Skegness
Lincolnshire
PE25 1SQ, UK

Email: enquiries@micronclean.co.uk
Tel/Fax: 0044 (0) 1754 767171

1.4. Emergency Telephone: 0044 (0) 1754 767171
Opening hours: Only available during office hours (GMT)
Other comments: Phone service available in English language

2. Hazards Identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No 1272/ 2008 [CLP].
Product is not classed as hazardous according to EC Regulation 1272/2008 taking account of GHS classification and labelling criteria.

Most important adverse effects: Harmful to aquatic life with long lasting effects.

Additional information:

None

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms: None
Signal word: None
Hazard statements: H412: Harmful to aquatic life with long lasting effects
Precautionary statements: P260: Do not breathe vapour, mist or spray
P264: Wash hands thoroughly after handling.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P273: Avoid release to the environment

Supplemental Hazard information (EU): Not applicable.

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- 2.3. Other hazards:
This product is not identified as a PBT/vPvB substance.

3. Composition/information on ingredients

Constituents: A blend of low foam, non-ionic surfactants, chelating agents and biocides.

- 3.2. Hazardous ingredients
Components are either non-hazardous or present at levels below that requiring detailed disclosure.

4. First aid measures

4.1. Description of first aid measures

- General: If you feel unwell seek medical advice (show this information or the container label where possible).
- Skin Contact: After prolonged use, rinse affected area with water. In the unlikely event of irritation or soreness developing, seek medical advice. Launder contaminated clothing before re-use.
- Eye Contact: Irrigate with flowing water for at least 15 minutes. Seek medical attention if irritation or soreness persists.
- Ingestion: Do not induce vomiting unless instructed to do so by medical personnel. Rinse mouth with water and drink 1 or 2 glasses of water or milk. Seek medical advice if discomfort persists.
- Inhalation: Remove from exposure. Keep warm and at rest. If discomfort persists seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

- Skin contact: Prolonged or repeated contact may cause mild irritation and redness that may lead to skin eczema if contact persists.
- Eye contact: Causes mild irritation and redness.
- Ingestion: Ingestion of large amounts may cause irritation to mouth, throat and digestive system.
- Inhalation: Mist or spray may cause slight irritation of the mucous membrane and the respiratory system.

Delayed/immediate effects: No data available.

- 4.3. Indication of any immediate medical attention and special treatment needed
Treat by observation and supportive measures as indicated by the patient's condition. No specific antidote.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

Unsuitable extinguishing media: None.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.

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Hazardous combustion products may include and are not limited to oxides of carbon and nitrogen.

Advice for firefighters:

Protective actions during firefighting: In the event of adjacent fire, cool containers with water spray. Prevent water used for extinguishing from entering the drainage systems or soils.

Special protective equipment: Wear protective clothing and self-contained breathing equipment.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Avoid prolonged contact with the liquid. Protective clothing should be worn when dealing with any spillage.

6.2. Environmental precautions: Do not allow to enter drains or the aquatic environment, or watercourses.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Contain and absorb with material such as earth, sand or non-organic absorbent granules. Remove contaminated material to plastic containers and thence to safe location for subsequent disposal. Final traces or small spillages may be flushed away to foul sewer with plenty of water.

6.4. Reference to other sections: Refer to section 8 of MSDS.

7. Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid prolonged contact with skin and protect eyes. Avoid inhalation of mists or spray. When using do not eat, drink or smoke. Wash hands after use.

7.2. Conditions for safe storage, including any incompatibilities

Storage: No not store containers in open sunshine and keep away from heat. Store at the temperature between 5°C and 35°C. Keep containers upright and closed when not in use.

Packaging materials: Must only be kept in original packaging

7.3. Specific end uses: No data available.

8. Exposure controls/personal protection

8.1. Control parameters

Workplace/Occupational exposure guidelines:

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2-Aminoethanol (CAS #141-43-5): contains skin notation to warn of danger of skin absorption.
Component present at <0.3% in ready for use solution

Member state	LTE (8h TWA)	STE (15 minute TWA)	Comment	Legal Basis
UK	1ppm (2.5mg/m ³)	3ppm (7.6mg/m ³)	STE: 15 minute reference period (Ireland)	HSE EH40:2007

DNEL / PNEC values: No data available.

8.2. Exposure controls

Engineering measures: Good general ventilation should be sufficient for most conditions.

Respiratory protection: Not normally required.

Skin protection: Use suitable protective clothing, gloves/coveralls, for long periods of prolonged contact. Butyl or nitrile rubber gloves are suitable. Use aprons if splash protection is required during prolonged exposure.

Eye/face protection: Use chemical goggles or face shield if pressure washing or the risk of splashes is a concern. Eyewash stations should be provisioned.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

State:	Liquid
Appearance:	Clear, colourless
Odour:	Odourless
pH:	11.3 – 11.7
Relative Density:	1.00g/ml typical @ 20°C
Solubility in water:	Completely miscible.
Flash point:	Non-flammable as supplied (Abel Closed Cup, BS 2100 Pt 170)
Auto-ignition temperature:	Not applicable
Flammability limits:	Not applicable
Thermal decomposition temperature:	Not established

9.2. Other information: No data available

10. Stability and reactivity

10.1. Reactivity: Stable.

10.2. Chemical stability: Stable under recommended storage and usage conditions.

10.3. Possibility of hazardous reactions: None known.

10.4. Conditions to avoid: Avoid high temperatures, heat.

10.5. Incompatible materials: Avoid contact with strong acids and oxidising agents.

10.6. Hazardous decomposition products: Does not decompose under normal use conditions.

11. Toxicological information

11.1. Information on toxicological effects

Relevant effects for mixture:

No significant health hazard when properly used for the application it was designed for. Not known to be a skin or respiratory sensitizer.

Route of exposure: Dermal and eye contact, ingestion or inhalation.

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Symptoms of exposure:

- Skin contact: Prolonged or repeated contact may cause mild irritation and redness that may lead to skin eczema if contact persists.
- Eye contact: Causes mild irritation and redness.
- Ingestion: Ingestion of large amounts may cause irritation to mouth, throat and digestive system.
- Inhalation: Mist or spray may cause slight irritation of the mucous membrane and the respiratory system.

Delayed/immediate effects: No data available.

12. Ecological information

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|---|---|
| 12.1. Toxicity: | No data available. |
| 12.2. Persistence and degradability: | Chelating agents are fully biodegradable according to appropriate OECD criteria. Main concern is the high alkalinity of the product should it enter surface drains or rivers, etc. The surfactant(s) contained in this preparation comply with the biodegradability requirements as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the member states and will be made available to them, at their direct request or at the request of a detergent manufacturer. |
| 12.3. Bioaccumulative potential: | The product does not contain any substances that have potential for bioaccumulation. |
| 12.4. Mobility: | Miscible in water. No information on soil mobility. |
| 12.5. Results of PBT and vPvB assessment
PBT identification: | Does not contain any PBT or vPvB substances. |
| 12.6. Other adverse effects: | No data available. |

13. Disposal considerations

- 13.1. Waste treatment methods

Disposal operations:

Do not discharge into surface drains, on the ground or into any body of water. All disposal methods must be in compliance with local laws and regulations (regulations may vary in different locations). Disposal of solutions via the foul sewer will not cause any problems to waste treatment facilities. For unused and uncontaminated product, the preferred disposal options include sending to a licensed, permitted recycler or reclaimer. Rinse containers out well with water and send for recycling or dispose of in accordance with local authority requirements.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. Transport information

Not classified and non-hazardous for transport.

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15. Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations:

All components that make up this product are registered, or are not required to be listed, with:

- European Inventory of New and Existent Chemical Substances (EINECS)
- Toxic Substances Control Act (TSCA)
- REACH – Regulation 1907/2006/EC, the raw materials used within this preparation have been pre-registered in accordance with the requirements of REACH.

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out for the substance or mixture by the supplier.

16. Other information

16.1. Other information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 2015/830.

Contact for enquiries: 0044 (0)1754 767377

16.2. Phrases used in s.3 and not given in s.2: None

Abbreviations:

EC:	European Commission
EINECS:	European Inventory of Existing Commercial Substances
REACH:	Registration, Evaluation, Authorisation and Restriction of Chemicals
CAS:	Chemical Abstracts Service
GHS:	Global Harmonised System
OECD:	Organisation for Economic Cooperation and Development
TWA:	Time-Weighted Average
DNEL:	Derived No-Effect Level
PNEC:	Predicted No-Effect Concentration
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	Very Persistent, Very Bioaccumulative
HSE:	Health and Safety Executive
NIOSH:	Occupational Safety & Health Administration
OSHA:	National Institute for Occupational Safety and Health

16.3. Legal disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Issue 4: Hazard information updated.

Date of issue: 20 February, 2019