

SAFETY DATA SHEET

According to Regulation 2015/830

Fluid Science Anti-Bacterial Surface Disinfectant

Page 1 of 5
Version 1
Issue Date: 24/03/2020

Section 1. IDENTIFICATION OF THE SUBSTANCE /MIXTURE AND THE COMPANY/ UNDERTAKING

1.1. Product identifier: Fluid Science Anti-Bacterial Surface Disinfectant

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

Biological odour control product concentrate

1.3. Details of the supplier of the safety data sheet

Fluid Science Limited
Unit 5 Pride Point, Ashcroft
Road Knowsley Industrial
Park Liverpool
L33 7TW
United Kingdom

1.4. Emergency Contact Details

Telephone +44 (0) 1244 837 860 (9am-5.30pm GMT Monday to Friday) **Email:** mike.jones@fluidscienceltd.com

Section 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to 1272/2008/EC

None

2.2. Label elements, Hazard Pictograms and Hazard statements according to 1272/2008/EC

None required

Precautionary Statements

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: Wash with soap and Water.

P337 + P313 If skin or eye irritation persists: Get medical advice/attention.

Avoid excess direct contact with clothing where possible

2.3. Other hazards None identified

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable, material is a mixture

Fluid Science Anti-Bacterial Surface Disinfectant

Page 2 of 5
Version 1
Issue Date: 24/03/2020

3.2. Mixtures

No hazardous components requiring declaration according to Regulation (EC) No 1272/2008

Section 4. FIRST AID MEASURES

4.1. Description of first aid measures

Eye Contact Rinse immediately with plenty of water for at least 5 minutes holding the eyelids open

Skin Contact No special treatment required.

Inhalation No special treatment required.

Ingestion Rinse mouth thoroughly.

Seek medical attention if any symptoms persist.

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

May cause eye irritation

4.3. Indication of any immediate medical attention and special treatment needed

No special treatment required

Section 5. FIRE FIGHTING MEASURES

5.1. Extinguishing media Product is an aqueous liquid and is not flammable. Use extinguishing media appropriate to the surrounding fire conditions

5.2. Special hazards arising from the substance or mixture

Product is an aqueous liquid so is not expected to burn or create special hazards

5.3. Advice for firefighters Wear full protective clothing and suitable respiratory equipment when necessary

Section 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

As good practice, wear impervious chemical resistant gloves and approved safety glasses or goggles. Wear protective clothing such as overalls if spillage involves large amounts (>20 litres)

6.2. Environmental precautions

Do not allow large amounts (i.e. more than 20 litres) of product to enter drains undiluted. Do not allow spillages to enter an open water course or surface water. Prevent further spillage if safe

6.3. Methods and material for containment and cleaning up

Small spillages (<20 litres) can be washed to a drain (but not one that leads to an open water course or surface water) with at least a 10X dilution in water. For larger spillages, absorb with inert material and sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water

6.4. Reference to other sections

See sections 8 and 13 for additional information

Fluid Science Anti-Bacterial Surface Disinfectant

Page 3 of 5
Version 1
Issue Date: 24/03/2020

Section 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

As good practice, avoid excessive contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool dry, well-ventilated area. Keep containers tightly closed. Store in correctly labelled containers

7.3. Specific end use(s)

No exposure scenario currently available

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

No exposure limits applicable to components in this product

8.2. Exposure controls

Engineering measures

No special requirements

Respiratory protection

Not required

Hand protection

Not required

Eye protection

Not required - As section 2 avoid contact with eyes, if in eyes rinse cautiously with water for several minutes. Continue rinsing. If irritation continues seek medical advice/attention

Protective equipment

Not Required

Environmental measures

Do not allow product to enter open water courses or surface water

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance

Clear liquid

Odour

Slight, pleasant

Odour threshold

Not determined

pH

3-5

Melting point/freezing point

0°C

Initial boiling point and boiling range

100°C

Flash point

Not applicable, product is an aqueous liquid

Evaporation rate

Expected to be the same as water

Flammability (solid, gas)

Not applicable, product is an aqueous liquid

Upper/lower flammability or explosive limits

Not applicable, product is an aqueous liquid

Vapour pressure

Expected to be the same as water

Vapour density

Expected to be the same as water

Relative density

1.0

Solubilities

Completely miscible in water

Partition coefficient n-octanol/water

Not applicable, product is an aqueous liquid

Autoignition temperature

Not applicable, product is an aqueous liquid

Decomposition temperature

Not applicable, product is an aqueous liquid

Viscosity

Expected to be the same as water

Explosive properties

No ingredients with explosive properties

Oxidising properties

No ingredients with oxidising properties

9.2. Other information

None available

Fluid Science Anti-Bacterial Surface Disinfectant

Page 4 of 5
Version 1
Issue Date: 24/03/2020

Section 10. STABILITY AND REACTIVITY

10.1. Reactivity	No specific hazard
10.2. Chemical stability	Stable under normal conditions
10.3. Possibility of hazardous reactions	Product is an aqueous liquid and no hazardous reaction are expected
10.4. Conditions to avoid	Not determined
10.5. Incompatible materials	None known
10.6. Hazardous decomposition products	None known

Section 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

a) Acute toxicity

Estimated oral ATE for mixture is >100,000 mg/kg

b) **Skin corrosion/irritation:** Mixture not classified as corrosive to skin or causing skin irritation.

c) **Serious eye damage/irritation:** Mixture not classified for eye effects.

d) **Respiratory or skin sensitisation:** Mixture at this dilution not classified as causing sensitisation by skin contact. Does not contain ingredients classified as a respiratory sensitiser.

e) **Germ cell mutagenicity:** Does not contain ingredients that are known germ cell mutagens

f) **Carcinogenicity:** Does not contain ingredients that are known carcinogens

g) **Reproductive toxicity:** Does not contain ingredients that are known reproductive toxicants

h) **STOT single exposure:** Does not contain ingredients that are known to cause single target organ toxicity with single exposure

i) **STOT repeated exposure:** Does not contain ingredients that are known to cause single target organ toxicity with repeated exposure

j) **Aspiration hazard:** Does not contain ingredients that are known to cause aspiration hazards

Section 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Does not contains ingredients that are toxic to the aquatic environment and therefore no classification the of mixture is required for acute or chronic effects

12.2. Persistence and degradability

Given the classification and degradability information on the ingredients and their concentration in the mixture, product is expected to be biodegradable to at least 90%.

12.3. Bioaccumulative potential

Given the classification and environmental behaviour information on the ingredients and their concentration in the mixture, product is not expected to bioaccumulate

12.4. **Mobility in soil** Aqueous product, fully soluble in water: not expected to be retained in soil to any significant extent

12.5. Results of PBT and vPvB assessment

Not anticipated to be PBT or vPvB

12.6. **Other adverse effects** None known

Fluid Science Anti-Bacterial Surface Disinfectant

Page 5 of 5
Version 1
Issue Date: 24/03/2020

Section 13. DISPOSAL CONSIDERATIONS

- 13.1. Waste treatment methods** Small quantities of product (up to 20 litres on any one occasion) can be disposed of to drain (but not one that leads to an open water course or surface water) with a 10 times dilution with water.

Section 14. TRANSPORT INFORMATION

- 14.1. UN number** Not regulated
14.2. UN proper shipping name Not regulated
14.3. Transport hazard class(es) Not regulated
14.4. Packing group Not regulated
14.5. Environmental hazards Not applicable
14.6. Special precautions for user None required
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable

Section 15. REGULATORY INFORMATION

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

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation EC 648/2004 on detergents. Data to support this statement are held at the disposal of the competent authorities of the Member States.

- 15.2. Chemical safety assessment**

No chemical safety assessment has been carried out

Section 16. ADDITIONAL INFORMATION

- Revision** This SDS has been prepared according to Regulation 2015/830.
- References** Part 3 of Annex VI of Regulation (EC) No 1272/2008 <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2008:353:0001:1355:en:PDF>
Annex II Annex II of (EU) No 453/2010 <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2010:133:0001:0043:en:PDF>
European Chemicals Agency (ECHA) Guidance on the compilation of safety data sheets, Version 3.1, November 2015
https://echa.europa.eu/documents/10162/23036412/sds_en.pdf/01c29e232cbe-49c0-aca7-72f22e101e20
- Method used to classify:** Mixture has been classified by reference to information on ingredients
- Further information** The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any other process.