



SAFETY DATA SHEET

Biodegreaser

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Version 2
Supersedes Version 1 dated: 01/06/2015
Issue Date: 23/03/2020

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

- 1.1. Product identifier** Fluid Science Biodegreaser
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Biological drain treatment product
- 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 telephone number**
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

This material is not classified as hazardous according to Regulation 1272/2008/EC as amended on classification, labelling and packaging of substances and mixtures.

2.2. Label elements

Labelling according to 1272/2008/EC

No Hazard Pictograms, Signal words, Hazard statements or Precautionary statements required

Supplemental Hazard Statements

EUH 208 Contains 1,2-benzisothiazolin-3-one: may produce an allergic reaction

2.3. Other hazards

None identified

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable, material is a mixture

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3.2. Mixtures

Hazardous ingredients declared according to Regulation (EC) No 1272/2008

CAS: 2634-33-5 EINECS: 220-120-9 REACH: 01-2120761540-60-xxxx Also a biocidal active substance being supported under BPR	1,2-benzisothiazolin-3-one	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens.1, H317 Aquatic acute 1, H400	0.01- 0.04%
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A full explanation of H-phrases appears in Section 16

Section 4. FIRST AID MEASURES

4.1. Description of first aid measures

Eye Contact Rinse immediately with water holding the eyelids open.

Skin Contact Wash off with soap and water.

Inhalation Move the exposed person to fresh air.

Ingestion Rinse mouth thoroughly. No need for first aid is anticipated.

Seek medical attention if any symptoms persist.

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

May cause an allergic skin reaction in already sensitised individuals

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

No special protective clothing required.

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 drain with water (but not to one that leads to an open water course or surface 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

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6.4. Reference to other sections

See sections 8 and 13 for additional information

Section 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Wash thoroughly after handling. 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

No chemical resistance gloves required

Eye protection

None required

Protective equipment

No special protective clothing 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

Straw coloured liquid

Odour

Slight

Odour threshold

Not determined

pH

7-8

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

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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 >6,000,000 mg/kg

The microorganisms in this product are all Group 1 (i.e. considered unlikely to cause human disease) according to EU Directive 2000/54/EC and related legislation.

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

c) Serious eye damage/irritation: Not classified as causing serious eye damage or irritation.

d) Respiratory or skin sensitisation: Contains ingredients that cause sensitisation by skin contact, but at levels below at which mixture must be classified for skin sensitisation. 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

Contains ingredients that are toxic to the aquatic environment but at concentrations below that at which classification 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 95%.

12.3. Bioaccumulative potential

Given the classification and environmental behavior 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

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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).

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** No known regulations or restrictions exist in EU Member states
15.2. Chemical safety assessment
No chemical safety assessment has been carried out

Section 16. ADDITIONAL INFORMATION

- Revision** This SDS has been brought into compliance with Regulation 2015/830. No changes to the classification of ingredients or the preparation, the GHS/CLP symbols and phrases and communication of classification, hazards and have been made. Additional information on the REACH status of ingredients has been added in Section 3.2.
- Explanation of H-phrases that appear in section 3** H302 Harmful if swallowed
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H400 Very toxic to aquatic life
- 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>
2nd ATP of CLP Regulation 286/2011, Table 3.4.6 <http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=OJ:L:2011:083:FULL&from=EN>

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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.