

MATERIAL SAFETY DATA SHEET

According to regulation 2015/830

Fluid Science BioSan sanitary cards

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Revision 2
Supersedes Revision 1 dated: 08/09/2020
Issue Date: 10/02/2021

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

1.1. Product identifier Fluid Science BioSan sanitary cards

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

Anti-microbial deodorising product for waste bins

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 506 860 (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

Flam. Solid 2, H228 Flammable solid

Skin Sens.1, H317 May cause an allergic skin reaction

Eye Irrit, 2, H319 Causes serious eye irritation

2.2. Label elements

Labelling according to 1272/2008/EC

Hazard Pictograms



GHS-02 GHS-07

Signal word: Danger

Hazard statements

H228 Flammable solid

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P280 Wear protective gloves, eye protection and protective clothing

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

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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: Get medical advice/attention

P362 + P364 Take off contaminated clothing and wash before re-use for skin classifications

2.3. Other hazards:

None identified

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable, material is a mixture

3.2. Mixtures

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

CAS: 67-63-0 EINECS:200-661-7 REACH: 01-2119457558-25-xxxx	Propan-2-ol	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE3, H336	>10%
CAS:104-55-2 EINECS: 203-213-9 REACH:01-2119935242-45-xxxx Also an active substance being supported under BPR	Cinnamal	Acute Tox. 4, H312 Skin Irrit. 2, H315 Skin Sens.1, H317 Eye Irrit. 2, H319	<5%
CAS:97-53-0 EINECS: 202-589-1 REACH: 01-2119971802-33-xxxx	Eugenol	Skin Sens.1, H317 Eye Irrit. 2, H319	<0.5%

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 plenty of water for at least 5 minutes.

Skin Contact Wash off immediately with soap and water. Remove contaminated clothing and wash before reuse.

Inhalation Move the exposed person to fresh air and keep at rest in a position comfortable for breathing

Ingestion Rinse mouth thoroughly.

Seek medical attention if any symptoms persist.

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

Causes eye irritation. May cause sensitisation by skin contact.

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 Use extinguishing media appropriate to the surrounding fire conditions

5.2. Special hazards arising from the substance or mixture

Not expected to create special hazards

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

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Section 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. If this cannot be provided, wear a respirator as defined in Section 8.2. Wear approved safety glasses or goggles and chemical resistance gloves (heavyweight nitrile, neoprene or butyl). See further notes in Section 8.2 if contact is likely to be prolonged

6.2. Environmental precautions

Do not allow significant amounts of product (>1 pouch of cards) to enter drains, open water courses or surface water. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Small spillages (<5 kg) can be collected up and disposed of with normal refuse. For larger spillages, collect up and transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water which can be washed to drain (but not to one that leads to an open water course or surface water).

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

Ensure adequate ventilation of the working area. In case of insufficient ventilation wear suitable respiratory protection equipment: See section 8.2. Wear chemical resistance gloves as defined in Section 8.2, approved safety glasses or goggles and avoid 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

Ingredient	CAS	EC	Description	ppm	mg/m ³	Reference
Propan-2-ol	67-63-0	200-661-7	Long term exposure limit (8 hour TWA reference period)	400	999	UK EH40 Oct 2007
			Short term exposure limit (15 minute reference period)	500	1250	

8.2. Exposure controls

Engineering measures

Ensure adequate ventilation of the working area to keep vapour levels below the exposure limit

Respiratory protection

Wear suitable half mask respirator with filter P2 (EN143) if vapour concentration means that exposure limits likely to be exceeded

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Hand protection	Wear chemical resistant gloves (heavyweight nitrile, neoprene or butyl). Use of suitable pre-and post- work creams is also recommended if gloves are worn for long periods.
Eye protection	Wear approved safety glasses or goggles
Protective equipment	Wash all contaminated clothing before re-use

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Off white cards
Odour	Strong
Odour threshold	Not determined
pH	7-8 (suspension in water)
Melting point/freezing point	Not applicable product is a liquid mixture absorbed on an organic carrier
Initial boiling point and boiling range	Not applicable product is a liquid mixture absorbed on an organic carrier
Flash point	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	Flammable solid, Category 2
Upper/lower flammability or explosive limits	Not determined
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	Not applicable product is a liquid mixture absorbed on an organic carrier, with variable amounts of air space, thus volume and density can change
Solubilities	Partially soluble in water
Partition coefficient n-octanol/water	Not applicable product is a liquid mixture absorbed on an organic carrier
Autoignition temperature	Not determined
Decomposition temperature	Not applicable product is a liquid mixture absorbed on an organic carrier
Viscosity	Not applicable product is a liquid mixture absorbed on an organic carrier
Explosive properties	No ingredients with explosive properties
Oxidising properties	No ingredients with oxidising properties
9.2. Other information	None available

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	Not expected to create special hazards
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 dermal ATE for mixture is >25,000 mg/kg

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

c) Serious eye damage/irritation: Mixture classified as H319 Causes serious eye irritation

d) Respiratory or skin sensitisation: Contains ingredients that may cause sensitisation by skin contact, mixture is classified as Skin Sens.1, H317 May cause an allergic skin reaction. Does not contain any 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: The mixture contains ingredients classified as STOT SE 3 H336, but not at a level where the product/mixture requires classification.

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 liquid ingredients that are classified for aspiration hazards.

Section 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Mixture contains no ingredients that are classified as toxic to aquatic life for either acute or chronic effects.

12.2. Persistence and degradability

Carrier will fully biodegrade. Given the classification and degradability information on the ingredients and their concentration in the mixture no adverse environmental effects are foreseen.

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

The carrier will biodegrade in soil and the majority of the other ingredients are insoluble and tightly absorbed to the carrier, so no extensive migration to groundwater is expected.

12.5. Results of PBT and vPvB assessment

Not anticipated to be PBT or vPvB

12.6. Other adverse effects

None known

Section 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods Small quantities of product (up to 5 kg on any one occasion) can be disposed of with domestic refuse.

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Section 14. TRANSPORT INFORMATION

- 14.1. UN number UN 1325
- 14.2. UN proper shipping name Flammable Solid, Organic NOS (Contains IPA)
- 14.3. Transport hazard class(es) Class 4.1
- 14.4. Packing group III
- 14.5. Environmental hazards No
- 14.6. Special precautions for user Transport Cat 2
Tunnel restriction (E)
- 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 additional information available
- 15.2. Chemical safety assessment
No chemical safety assessment has been carried out

Section 16. ADDITIONAL INFORMATION

- Revision** This SDS has been updated from Revision 1. A modification has been made to the Packing Group under Section 14. The change has been indicated by a black side bar in the right hand margin.
- Explanation of H-phrases that appear in section 3** H225 Highly flammable liquid and vapour
H312 Harmful in contact with skin
H315 Causes skin irritation
H336 May cause drowsiness or dizziness
- References** 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>
- 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.