

SAFETY DATA SHEET

According to 453/2010 EC Annex I, which replaces 1907/2006 Annex II

Biosan Rapide

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Issue Date: 23/03/2017

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

1.1. Product identifier Biosan Rapide

1.2. Relevant identified uses of the substance or mixture and uses advised against
Anti-microbial deodorising product for IP cleaning machine.

1.3. Details of the supplier of the safety data sheet
Genesis Biosciences
Unit P1, Capital Business Park
Capital Point, Parkway
Cardiff CF3 2PU
United Kingdom
Tel: +44 (0) 29 2079 1185
info@genesishbiosciences.com

1.4. Emergency telephone number
Telephone +44 (0) 29 2079 1185 (8:30am-5.30pm GMT Monday to Friday)

Section 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to 1272/2008/EC

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

Eye Irrit, 2, H319 Causes serious eye irritation

Flam. Solid 2, H228 Flammable solid

STOT SE3, H336 May cause drowsiness or dizziness

2.2. Label elements

Labelling according to 1272/2008/EC Hazard

Pictograms



GHS-02 GHS-07

Signal word: Danger

Hazard statements

H228 Flammable Solid

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H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness

Precautionary Statements

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

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves, eye protection and protective clothing.

P303+361+353 IF ON SKIN: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

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

2.3. Other hazards:

The product is packaged in small sachets for individual dosing, so in normal use, significant dust should not be generated, but if it is, provide appropriate exhaust ventilation or wear suitable protective equipment (See Sections 7.1 and 8.1).

Prolonged inhalation of respirable dust may cause irritation to the lungs and respiratory system such as coughing and breathlessness.

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	Propan-2-ol	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE3, H336	>35%
CAS:104-55-2 EINECS: 203-213-9	Cinnamal	Acute Tox. 4, H312 Skin Irrit. 2, H315 Skin Sens.1, H317 Eye Irrit. 2, H319	1-10%
CAS:97-53-0 EINECS: 202-589-1	Eugenol	Skin Sens.1, H317 Eye Irrit. 2, H319	0.1-1%

Substances with workplace exposure limits, not listed above

CAS:112926-00-8 EINECS: 231-545-4	Silica, amorphous	>40%
CAS:57-55-6 EINECS: 200-338-0	Propane-1,2-diol	>10%

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 for at least 5 minutes holding the eyelids open.

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

Inhalation Move the exposed person to fresh air.

Ingestion Rinse mouth thoroughly.

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Seek medical attention if any symptoms persist.

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

Causes eye irritation. May cause an allergic skin reaction

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

Product is a Category 2 flammable solid but is not expected to 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

Avoid raising dust. 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 (PVC, nitrile, neoprene or butyl)

6.2. Environmental precautions

Do not allow significant amounts (>5kg or contents of 1.5 cases of sachets) of product 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 (<20 kg) can be swept up and disposed of with normal refuse. For larger spillages, sweep 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

Product is packaged in small sachets for individual dosing. Avoid formation of respirable dust. Ensure adequate ventilation of the working area if handling large amounts of product. In case of dust production and insufficient ventilation wear suitable respiratory protection equipment: See section 8.2. Wear chemical resistance gloves, 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

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Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Ingredient	CAS	EC	Description	ppm	mg/m ³	Reference
Silica, amorphous Inhalable dust	112926-00-8	231-545-4	Long term exposure limit (8 hour TWA reference period)	-	6	UK EH40 Oct 2007
Silica, amorphous Respirable dust			Long term exposure limit (8 hour TWA reference period)	-	2.4	
Propan-2-ol	67-63-0	200-661-7	Long term exposure limit (8 hour TWA reference period)	400	999	
			Short term exposure limit (15 minute reference period)	500	1250	
Propane-1,2-diol Total vapour and particulates	57-55-6	200-338-0	Long term exposure limit (8 hour TWA reference period)	150	474	
Propane-1,2-diol Particulates			Long term exposure limit (8 hour TWA reference period)	-	10	

8.2. Exposure controls

Engineering measures

Minimise airborne dust formation. Ensure adequate ventilation of the working area to keep airborne dust levels below the exposure limit

Respiratory protection

Wear suitable half mask respirator with filter P2 (EN143) if dust is generated during use and if exposure limits likely to be exceeded for prolonged periods.

Hand protection

Wear chemical resistance gloves (PVC, nitrile, neoprene or butyl)

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	Small white granules
Odour	Strong
Odour threshold	Not determined
pH	Not determined
Melting point/freezing point	Not applicable predominantly an inorganic solid
Initial boiling point and boiling range	Not applicable predominantly an inorganic solid
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	0.63 g/ml (tapped density)
Solubilities	Not soluble in water
Partition coefficient n-octanol/water	Not applicable predominantly an inorganic solid
Autoignition temperature	In tests according to UN MTC Section 33.3 Division 4.2., material is not a pyrophoric solid (Section 33.3.1.3.1) and

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	sample did not heat (or ignite) in air at 140°C (Section 33.3.1.3.3)
Decomposition temperature	Not applicable predominantly an inorganic solid
Viscosity	Not applicable
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 >16,000 mg/kg

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

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 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 product contains liquid ingredients that are classified as STOT SE 3 H336 (May cause drowsiness or dizziness).

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 hazard.

Section 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Mixture not classified as toxic to aquatic life for either acute or chronic effects.

12.2. Persistence and degradability

Biodegradation only applies to organic materials, the carrier in this product is inorganic. Given the classification and degradability information on the organic 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

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12.4. Mobility in soil

The inorganic carrier will mix with soil and with the other ingredients being 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 20 kg on any one occasion) can be disposed of with domestic refuse.

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 3

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 2 to comply with the full implementation of the CLP Regulation (EC) No 1272/2008 for mixtures, namely the classification of ingredients and preparations using the new GHS/CLP symbols and phrases and communication of classification, hazards and advice according to the new rules. Changes have been made to Section 1 (product name).

Explanation of H-phrases appear in section 3

H225 Highly flammable liquid and vapour
H312 Harmful in contact with skin
H315 Causes skin irritation
H317 May cause an allergic skin reaction

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H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

References

Allergens in consumer products: S.W.P. Wijnhoven, J. Ezendam, A.G. Schuur, H. van Loveren and J.G.M. van Engelen. RIVM Report 320025001/2008, Center for Substances and Integrated Risk Assessment www.vwa.nl/txmpub/files/?p_file_id=31183

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/legalcontent/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.