

SAFETY DATA SHEET

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

OR 1x

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Version 3
Supersedes: Revision 2 dated 17/09/2012
Issue Date: 01/06/2015

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

- 1.1. Product identifier** OR 1X
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Biological cleaning product for exterior hard surfaces
- 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@genesisbiosciences.com
- 1.4. Emergency telephone number**
Telephone +44 (0) 29 2079 1185 (8am-5.30pm GMT Monday to Friday)

Section 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to 1272/2008/EC

Eye Irrit, 2 H319 Causes serious eye irritation

2.2. Label elements

Labelling according to 1272/2008/EC

Hazard Pictograms



GHS-07

Signal word: Warning

Hazard statements

H319 Causes serious eye irritation

Precautionary Statements

P264 Wash thoroughly after handling.

P280 Wear eye protection

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

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

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

3.2. Mixtures**Hazardous ingredients declared according to Regulation (EC) No 1272/2008**

CAS: 2634-33-5 EINECS: 220-120-9	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 plenty of water for at least 5 minutes 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

Causes serious eye irritation. 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**

Wear approved safety glasses or goggles.

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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

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

Avoid contact with eyes. 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

Wear approved safety glasses or goggles

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

Faint

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

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 >350,000 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: Classified as causes serious eye irritation. This classification is based on additive effects of a number of ingredients that are classified for serious eye damage or eye irritation, although the concentration of the individual ingredients is below the threshold for declaration in Section 3 as defined in Annex II Annex II of (EU) No 453/2010.

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%.

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.

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

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 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 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: Sections 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15 and 16.

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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>

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.