

# SAFETY DATA SHEET

According to Regulation 878/2020

## Triple 8 Dose Bio Gen

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Revision 2  
Supersedes Version 1 dated 14/09/2020  
Issue Date: 16/08/2023

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

**1.1. Product identifier** Triple 8 Dose Bio Gen

**Other means of identification:** 052610

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

Surface cleaner and sanitiser for various applications

**1.3. Details of the supplier of the safety data sheet**

Castle (EU) Ltd  
Castle Trading Estate  
Fareham  
PO16 9SF  
United Kingdom  
Tel: +44 (0) 23 9220 7788  
sales@castle.eu.com

**1.4. Emergency telephone number**

**Telephone** +44 (0) 23 9220 7788 (8am-4.30pm GMT Monday to Friday)

### Section 2. HAZARDS IDENTIFICATION

**2.1. Classification of the substance or mixture**

**Classification according to 1272/2008/EC** Skin Irrit. 2 - H315  
Eye Dam. 1 - H318

**2.2. Label elements**

**Labelling according to 1272/2008/EC**

**Hazard Pictograms:**



**Signal words:** Danger

**Hazard statements:** H315 Causes skin irritation.  
H318 Causes serious eye damage.

**Precautionary statements:** P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P302+P352 IF ON SKIN: Wash with plenty of 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.

P264 Wash contaminated skin thoroughly after handling.

P332+313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

## Supplemental Hazard Statements

EUH 208 Contains cinnamal: may produce an allergic reaction

## Detergent labelling

15-30% anionic surfactants, 15-30% L-lactic acid, cinnamal

## 2.3. Other hazards

None identified. Does not contain ingredients known to cause, or suspected of causing, endocrine disruption.

## 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: 68585-34-2 EINECS: 500-223-8 REACH: Exempt, material is a polymer	Alcohols, C10-16, ethoxylated, sulfates, sodium salts	Eye Irrit 2, H319 Skin Irrit. 2, H315 Reference: ECHA C&L database, See section 16	>10%
CAS: 79-33-4 EINECS: 201-196-2 REACH Registration Number: 01-2119474164-39-XXXX Also a biocidal active substance registered under BPR	L(+) lactic acid	Eye Dam. 1 - H318 Skin Irrit. 2 - H315	>10%
CAS:104-55-2 EINECS: 203-213-9 REACH: 01-2119935242-45-xxxx Also a biocidal active substance being supported under BPR	Cinnamal	Acute Tox. 4, H312 Skin Irrit. 2, H315 Skin Sens.1, H317 Eye Irrit. 2, H319 Value used in ATE calculation 1000 mg/kg (Generic Dermal Cat 4)	<1%

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 immediately with soap and water. Remove contaminated clothing.

**Inhalation** Move the exposed person to fresh air.

**Ingestion** Rinse mouth thoroughly.

Seek medical attention if any symptoms persist.

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

Causes serious eye damage

Causes serious skin irritation

May produce an allergic reaction

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## 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 and impervious chemical resistant gloves. 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 (non-metallic) 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 and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.

### 7.2. Conditions for safe storage, including any incompatibilities

Use polyethylene packaging, do not use unlined aluminium containers. 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

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

#### Eye protection

Not required

#### Protective equipment

Wear protective clothing such as overalls. Wash all contaminated clothing before re-use

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**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

a) Physical state	Liquid
b) Colour	Pale straw to yellow coloured clear liquid
c) Odour	Orange
d) Melting point/freezing point	0°C
e) Initial boiling point and boiling range	100°C
f) Flammability	Not applicable, product is an aqueous liquid
g) Lower and upper explosive limits	Not applicable, product is an aqueous liquid
h) Flash point	Not applicable, product is an aqueous liquid
i) Auto-ignition temperature	Not applicable, product is an aqueous liquid
j) Decomposition temperature	Not applicable, product is not a self-reactive mixture
k) pH	1.0-2.0
l) Viscosity	Expected to be the same as water
m) Solubility	Completely miscible in water
n) Partition coefficient octanol/water	Not applicable, product is a mixture
o) Vapour pressure	Expected to be the same as water
p) Density or relative density	1.07
q) Relative vapour density	Expected to be the same as water
r) Particle characteristics	Not applicable, mixture is a liquid

### 9.2.1. Information with regard to physical hazard classes

None relevant

### 9.2.2 Other safety characteristics

None relevant

## 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 hazard classes as defined in Regulation (EC) No 1272/2008

#### a) Acute toxicity

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

None of the ingredients declared in Section 3.2 are classified for acute toxicity via other routes and no other ATEs are presented for the mixture.

#### b) Skin corrosion/irritation:

Mixture classified as Skin Irritation, Category 2, H315 Causes skin irritation.

#### c) Serious eye damage/irritation:

Mixture classified as Eye Damage, Category 1, H318 Causes serious eye damage.

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## d) Respiratory or skin sensitisation:

Mixture not classified as causing sensitisation by skin contact, but it contains an ingredient classified as skin sensitising and carries the supplemental phrase EUH 208 may cause an allergic 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:

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

## 11.2 Information on other hazards

### 11.2.1. Endocrine disrupting properties

Does not contain ingredients known to cause, or suspected of causing, endocrine disruption.

## Section 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Although some minority ingredients are classified for short and long term effects to aquatic life, the concentration is such that the product is not classified as toxic to the aquatic environment for either 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 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. Endocrine disrupting properties** Does not contain ingredients known to cause, or suspected of causing, endocrine disruption.

**12.7. 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.

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## 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. Maritime transport in bulk according to IMO instruments

This subsection only applies when cargoes are intended to be carried in bulk according to IMO instruments: therefore, it is not applicable as product will not be transported as bulk liquid.

## 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 revised to bring it into compliance with Regulation 2020/878. No changes to the classification of ingredients or the preparation, the GHS/CLP symbols and phrases and communication of classification, hazards and precautions have been made. Additional information has been added to Sections 1.1, 2.3, 3.2, 9.1, 9.2, 11.1, 11.2, 12.6, 12.7 and 14.7 as required in the Regulation, plus the references section. Updated sections are identified by a heavy black sidebar in the right-hand margin.

### Explanation of H phrases that appear in Section 3:

H312 Harmful in contact with skin  
H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation

### 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>

European Chemicals Agency (ECHA) Classification and Labelling Database entry for CAS 68585-34-2. <https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/133245> Accessed 5th May 2020

European Chemicals Agency (ECHA) Guidance on the compilation of safety data sheets; Version 4.0; December 2020. [https://echa.europa.eu/documents/10162/23036412/sds\\_en.pdf/01c29e23-2cbe-49c0-aca7-72f22e101e20](https://echa.europa.eu/documents/10162/23036412/sds_en.pdf/01c29e23-2cbe-49c0-aca7-72f22e101e20)

### Method used to classify:

Mixture has been classified by reference to information on ingredients.

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## **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.