

BIO-BLOCK

Page 1 of 6
Revision 3
Supersedes: Revision 2 dated 01/06/2015
Issue Date: 04/03/2020

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

- 1.1. Product identifier** Bio- Block
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Biological slow release solid for effluent treatment
- 1.3. Details of the supplier of the safety data sheet**
Taylormade Facilities Limited
Unit 1, The Stables
Ballygorey
Mooncoin
Co Kilkenny
- 1.4. Emergency telephone number**
Telephone 1890 336633

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
- 2.3. Other hazards** None identified

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

- 3.1. Substances**
Not applicable, material is a mixture
- 3.2. Mixtures**
No hazardous ingredients declared according to Regulation (EC) No 1272/2008
Substances with workplace exposure limits

CAS: 56-81-5, EINECS: 200-289-5 REACH: 01-2119471987-18-xxxx	Glycerine	1-10%
CAS: 141-43-5, EINECS: 205-483-3 REACH: 01-2119486455-28-xxxx	2-aminoethanol	<1%

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. No need for first aid is anticipated.

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

No specific hazard

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 a mixture of organic and inorganic materials and is not a flammable solid (as defined in CLP: Annex I: 2.7.1.1). Use extinguishing media appropriate to the surrounding fire conditions

5.2. Special hazards arising from the substance or mixture

Product is a mixture of organic and inorganic materials and may melt, but 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 kg) of product to enter drains undiluted (it may cause physical blockages). Do not allow spillages or wash down from spillage 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 and large spillages can be swept up and transferred 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

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

Ingredient	CAS	EC	Description	ppm	mg/m ³	Reference
Glycerine, mist	56-81-5	200-289-5	Long term exposure limit (8 hour TWA reference period)	-	10	UK EH40 Oct 2007
2-aminoethanol	141-43-5	205-483-3	Long term exposure limit (8 hour TWA reference period)	1	2.5	
			Short-term exposure limit (15 minute reference period)	3	7.6	

8.2. Exposure controls

Engineering measures

No special requirements

Respiratory protection

Not required: although WELs exist for components of the product, it is a solid and in the recommended use, i.e. placing product into drains, the risk of inhalation of these materials is very small.

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

Blue solid

Odour

Slight

Odour threshold

Not determined

pH

7-8

Melting point/freezing point

Partial melting at approx. 60°C

Initial boiling point and boiling range

>100°C

Flash point

>100°C

Evaporation rate

No evaporation expected

Flammability (solid, gas)

Not a flammable solid (not easily ignited by brief contact with an ignition source and the flame does not spread rapidly).

Upper/lower flammability or explosive limits

Not applicable, see above

Vapour pressure

Not applicable, no vapour expected

Vapour density

Not applicable, no vapour expected

Relative density

1.27

Solubilities

Slowly soluble/miscible in water

Partition coefficient n-octanol/water

Not applicable, product is a mixture of organic and inorganic solid materials

Autoignition temperature

Not determined

Decomposition temperature

No decomposition if stored as prescribed

Viscosity

Not applicable, product is a solid

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 a solid 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

Contains a material at a very low concentration that is classified as Acute Tox. 4 H301 (Toxic if swallowed) H312 (Harmful in contact with skin) and H332 (Harmful if inhaled). However, estimated oral ATE for mixture is >350,000 mg/kg, estimated dermal ATE is >200,000 mg/kg. No calculation has been made for inhalation route as material is a solid so inhalation is considered unlikely.

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: Does not contain ingredients classified as respiratory or skin sensitisers.

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

Mixture does not contain ingredients that are classified as toxic or harmful to the aquatic environment, either acute or chronic effects.

12.2. Persistence and degradability

Consists of both inorganic and organic solids: the inorganic materials will dissolve into water. From the degradability information of the organic ingredients and their concentration in the mixture, no persistence is expected.

12.3. Bioaccumulative potential

Given the environmental behavior information on the ingredients and their concentration in the mixture, product is not expected to bioaccumulate

- 12.4. Mobility in soil** Solid product, slowly soluble/miscible 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 kg) can be disposed of with general refuse

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.
- References** Annex I, Section 2.7 of CLP: Annex I: 2.7.1.1 and 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>
- 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/01c29e23-2cbe-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.