

SAFETY DATA SHEET

(according to Regulation (EC) No. 1907/2006)

Version: 1 Revision Date: 09.02.2022

BIO-PEARL

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name: *Bio-Pearl 5 Litres*
Product Code: *BIOP05*
REACH Registration: *All ingredients in this formulation have been registered (where required) for applicable uses.*
CAS No: -
EC No: -

1.3 Details of the supplier of the safety data sheet

Company: **CHAUCER SOLUTIONS LIMITED**
Address: *Beodric House
5 Boldero Road
Bury St. Edmunds
Suffolk
IP32 7BS
United Kingdom*
Telephone: *+ 44 (0) 1767 677445*
E-mail: *admin@chaucersolutions.co.uk*

1.4 Emergency telephone number

+ 44 (0) 1767 677445 (Only available during office hours)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (according to Regulation (EC) No. 1272/2008):

This substance is not classified as hazardous according to Regulation (EC) No. 1272/2008

2.2 Label elements

REGULATION (EC) No. 1272/2008

Signal Word: *None*

Hazard Statements: *None*

2.3 Other Hazards *Spillage may create slip hazard.*

3. COMPOSITION OF/INFORMATION ABOUT THE COMPONENTS

3.1 Mixtures

Chemical Name	CAS-No. EINECS-No.	REACH	Classification REGULATION (EC) No 1272/2008	Concentration (%)
<i>2 phenoxy ethanol</i>	122-99-6		<i>Acute Tox. 4: H302; Eye Irrit. 2: H319</i>	<i>0 – 0.50</i>
<i>coconut diethanolamine</i>	8051-30-7	01-2119490100-53-XXXX	<i>Skin Irrit. 2: H315; Eye Dam. 1: H318; Aq. Chronic 2: H411</i>	<i>1 – 10</i>
<i>water</i>	-		-	<i>70 – 80</i>
<i>2-phenoxyethanol</i>	122-99-6 204-589-7	01-2119488943-21-XXXX	<i>Acute Tox. 4: H302; Eye Irrit. 2: H319;</i>	<i>0 – 0.5</i>
<i>sodium laureth ether sulphate</i>	-	01-2119488639-16-XXXX	<i>Skin Irrit. 2: H315; Eye Dam. 1: H318;</i>	<i>1 – 10</i>
<i>ethylene glycol mono stearate</i>	111-60-4			<i>0.5 – 1</i>
<i>monoethanolamine lauryl sulphate</i>	4722-98-9			<i>0 – 0.5</i>
<i>propyl 4- hydroxybenzoate</i>	94-13-3			<i>0 – 0.5</i>
<i>distilled tall oil</i>	8002-26-4 232-304-6			<i>1 – 10</i>
<i>methox 4- hydroxybenzoate</i>	99-76-3			<i>0 – 0.5</i>
<i>2-bromo-2-nitropropane-1,3-diol</i>	52-51-7 200-143-0		<i>Acute Tox. 4: H312; Acute Tox. 4: H302; STOT SE 3: H335; Skin Irrit. 2: H315; Eye Dam. 1: H318; Aq. Acute 1: H400</i>	<i>0 – 0.5</i>
<i>2,2'-iminodiethanol</i>	111-42-2 203-868-0		<i>Acute Tox. 4: H302; STOT RE 2: H373; Skin Irrit. 2: H315; Eye Dam. 1: H318</i>	<i>0 – 0.5</i>
<i>2-methylisothiazol-3(2h) -one</i>	2682-20-4 220-239-6		<i>Acute Tox. 3: H301+H311; Skin Corr. 1B: H314; Skin Sens. 1: H317; Acute Tox. 2: H330; Aq. Acute 1: H400</i>	<i>0 – 0.5</i>
<i>ethanolamine (2-aminoethanol)</i>	141-43-5 205-483-3	01-2119486455-28-XXXX	<i>Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314</i>	<i>0 – 0.5</i>
<i>sodium chloride</i>	7647-14-5 231-598-3			<i>0 – 0.5</i>
<i>peg 75/50 lanolin</i>	61790-81-6			<i>0 – 0.5</i>

For the full text of the H - statements mentioned in this section, see section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: *Take the Hazard and Precautionary Statements (section 2) into account. Show this Safety Data Sheet to the physician in attendance if required.*

Inhalation: *Remove from exposure site to fresh air and keep at rest. Contact physician if symptoms persist.*

Skin contact: *Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.*

Eye contact: *Flush immediately with water for at least 15 minutes. Remove contact lenses if possible. Contact physician if symptoms persist.*

Ingestion: *Rinse mouth with water and Contact physician if symptoms persist. Do NOT induce vomiting.*

4.2 Most important symptoms and effects, both acute and delayed

May cause irritation to eyes. May cause irritation to mucous membranes.

4.3 Indication of any immediate medical attention and special treatment needed

Provide physician with a copy of this Safety Data Sheet.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Use extinguishing media appropriate to the surrounding fire conditions.

5.2 Special Hazards arising from the substance or mixture

No further information.

5.3 Advice for Fire Fighters

No special measures required

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment.

6.2 Environmental precautions

Keep away from drains, surface and ground water and soil.

6.3 Methods for cleaning or taking up

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

7.1 Handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2 Storage

Requirements for storage areas and containers:

Store in a cool, dry, ventilated area away from heat sources. Keep containers upright and tightly closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Limit Values

Ethanalamine (2-Aminoethanol)	<i>WEL 8-hr limit ppm: 1</i>	<i>WEL 8-hr limit mg/m³: 2.5</i>
	<i>WEL 15 min limit ppm: 3</i>	<i>WEL 15 min limit mg/m³: 7.6</i>
	<i>WEL 8-hr limit mg/m³ total inhalable dust: -</i>	<i>WEL 15 min limit mg/m³ total inhalable dust: -</i>

	WEL 8-hr limit mg/m ³ total respirable dust: -	WEL 15 min limit mg/m ³ total respirable dust: -
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8.2 Personal protective equipment

The usual precautionary measures should be adhered to general rules for handling chemicals.

Protection gloves not necessary, except for cleaning up spilled material

Eye protection: *Safety glasses recommended during refilling.*

General Advice: *Do not allow uncontrolled discharge of the product into the environment.*

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance

Physical state: *Viscous liquid*

Colour: *Various*

9.2 Safety data

Flash Point: -

pH: *7 – 8.5*

Boiling Point: -

Relative Density: *1.02 – 1.04*

Solubility: *Soluble in water*

10. STABILITY AND REACTIVITY

10.1 Reactivity

This product is not considered reactive under normal working conditions.

10.2 Chemical Stability

This product is stable at room temperature.

10.3 Possibility of hazardous reactions

None.

10.4 Conditions to avoid

None

10.5 Incompatible materials

None

10.6 Hazardous decomposition products

None

11. TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity

Acute oral toxicity:

No data available.

Acute inhalation toxicity:

No data available.

Acute dermal toxicity:

No data available..

Acute dermal toxicity (other routes of administration):

No data available.

Aspiration toxicity:

No data available.

11.2 Skin corrosion/irritation

Skin irritation: *May cause skin irritation.*

11.3 Serious eye damage/eye irritation

Eye irritation: *May cause eye irritation.*

11.4 Respiratory or skin sensitization

Sensitisation: *No data available.*

11.5 Aspiration hazard:

Sensitisation: *No data available.*

11.6 Repeated dose toxicity

Repeated dose toxicity:

No data available.

11.7 STOT

STOT – single exposure:

No data available.

STOT – repeated exposure:

No data available.

11.8 Carcinogenicity

Carcinogenicity:

No data available.

11.9 Mutagenicity

Genotoxicity in vitro:

No data available.

Genotoxicity in vivo:

No data available.

11.10 Reproductive toxicity

Reproductive toxicity:

No data available.

Developmental toxicity/Teratogenicity:

No data available.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity effects

Aquatic Compartment (including sediment)

No data available.

12.2 Persistence and degradability

DETERGENTS IN THIS FORMULATION ARE >90% BIODEGRADABLE. Inorganic materials are inherently not biodegradable however those present in this formulation/product are either of no known significant environmental hazard or are readily neutralised to form inert salts. More than 90% biodegradable. Readily biodegradable.

12.3 Bioaccumulation

Partition coefficient (n-octanol/water):
No data available.

12.4 Mobility

Known distribution to environmental compartments:
No data available.

12.5 Other adverse effects

Environmental assessment:
No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: *Dispose of according to local regulations. Do NOT dispose of into drainage systems and into the environment.*

Contaminated packaging:
Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

14.1 ADR

Not classified as hazardous for transport according to current regulations.

14.2 RID

Not classified as hazardous for transport according to current regulations.

14.3 IATA

Not classified as hazardous for transport according to current regulations.

14.4 IMDG

Not classified as hazardous for transport according to current regulations.

14.5 ADN / ADNR

Not classified as hazardous for transport according to current regulations.

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to regularly check their validity.

15. REGULATORY INFORMATION

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

16. OTHER INFORMATION

Full text of H – Statements referred to under sections 2 and 3

- H302: Harmful if swallowed.*
- H319: Causes serious eye irritation.*
- H315: Causes skin irritation.*
- H318: Causes serious eye damage.*
- H411: Toxic to aquatic life with long lasting effects.*
- H312: Harmful in contact with skin.*
- H335: May cause respiratory irritation.*
- H400: Very toxic to aquatic life.*
- H373: May cause damage to organs through prolonged or repeated exposure .*
- H301+H311: Toxic if swallowed or in contact with skin*
- H314: Causes severe skin burns and eye damage.*
- H317: May cause an allergic skin reaction.*
- H330: Fatal if inhaled.*
- H332: Harmful if inhaled.*

Further information:

According to Regulation (EC) No. 1907/2006 the information in this safety data sheet is based on the properties of the material known to Chaucer Solutions Ltd at the time the data sheet was issued. The Safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. The information hereon is reliable to the best of our knowledge. However, the recommendations or suggestions hereon shall not be construed as a warranty or representation as to the results, safety and efficacy. Users should always make their own evaluations and tests suitable for their particular needs. We cannot be held liable for any loss or damage arising from the use of the information hereon. This document is not intended for quality assurance purposes.

- End of Safety Data Sheet -