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Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Product Form:	Mixture
Trade Name/Designation:	Bio-D Hand Wash - Geranium
Product Code:	BHWG125, BHWG45,
Product Group:	Cosmetic
Container Size:	12 x 500ml, 4 x 5L,
UFI:	UH60-C043-E00W-PPM0

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

1.2.1 Relevant Identified Uses

Hand wash and cleanser

1.2.2 Uses Advised Against

No additional information available

1.3 Details of the supplier of the safety data sheet

Manufacturer

The Bio-D Company
Unit 31, Bergen Way
Hull
HU7 0YQ
01482 229950
www.biodegradable.biz
info@biodegradable.biz

1.4 Emergency telephone number

Customer Service: 01482 229950(Mon – Fri, 9am – 4:30pm)
NHS Help Line: 111
National Poison Information Service(For health professionals only): 0344 892 0111

Section 2: Hazards Identification

None


Section 3: Composition/Information on Ingredients

3.1 Substance

Not Applicable

3.2 Mixture

Name	Product Identifier
Anionic Surfactant	(CAS No) 68891-38-3 (EC NO) 500-234-8 (REACH No) 2119488639-16
Nonionic Surfactant	(CAS No) 68155-07-7 (EC No) 931-329-6

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	(REACH No) 01-2119490100-53
Lactic Acid	(CAS No) 79-33-4 (EC No) 201-196-2 (REACH No) 01-2119474164-39
Pelargonium Graveolens(Geranium) Oil	(CAS No) 8008-46-2

Section 4: First Aid Measures

4.1 Description of First Aid Measures

Additional Advice: First Aider: Pay attention to self-protection. In case of concern or persistent symptoms, always consult a physician.

Inhalation: Remove person to fresh air and keep comfortable for breathing.

Skin contact: Wash skin with plenty of water. Remove contaminated clothing. Wash contaminated clothing before reuse.

Eyes contact: Rinse eyes with plenty of water, also under the eyelids for at least 15 minutes.

Ingestion: Clean mouth with water. Do NOT induce vomiting. Do not give milk or alcoholic beverages.

4.2 Most Important Symptoms and Effects, both Acute and Delayed

Inhalation: May cause sensitisation or allergic reactions in sensitive individuals.

Skin Contact: No data available.

Eyes contact: No data available.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

Treat symptomatically.

Section 5: Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Water spray. Dry extinguishing powder. Foam. Carbon Dioxide.

5.2 Special Hazards Arising from the Substance or Mixture

No data available.

5.3 Advice for Firefighters

Protection during firefighting: Do not attempt to take action without suitable protective clothing and self-contained breathing apparatus.

Section 6: Accidental Release Measures

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6.1 Personal Precautions, Protective Equipment & Emergency Procedures

6.1.1 For Non-Emergency Personnel

Use personal protective equipment as required. Provide adequate ventilation. Avoid contact with skin, eyes and clothing.

6.1.2 For Emergency Responders

Use personal protective equipment as required. Ensure procedures for decontamination are in place

6.2 Environmental Precautions

Do not allow into surface water or drains.

6.3 Methods and Material for Containment and Cleaning | Up

Methods for cleaning up: Provide adequate ventilation. Use absorbent material to soak up spill. Collect in closed and suitable containers for disposal. Site should have a spill plan to ensure that adequate safeguards are in place to minimise the impact of episodic releases.

Other information: Dispose of materials and residues at an authorised site or via an approved waster collector.

6.4 Reference to other Sections

For disposal: See Section 13

For protective equipment: See Section 8.2

Section 7: Handling & Storage

7.1 Precautions for Safe Handling

Precautions for safe handling: Provide good ventilation. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Remove contaminated clothing.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Store in a cool dry place. Keep out of reach of children. Keep container tightly closed.

7.3 Specific End Use(s)

No data available.

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Nonionic Surfactant(68155-07-7)

Diethanolamine	(8h) TWA	OES 3 ppm(Sk) 13 mg/m3(Sk)
Diethanolamine	(15min)	OES

Nonionic Surfactant(68155-07-7)

Diethanolamine	
DNEL/DMEL (Workers)	
Long term systemic effects - Dermal	4.16 mg/kg/day

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Long term systemic effects – Inhalation	73.4 mg/m ³
DNEL/DMEL(General Population)	
Long term systemic effects – Dermal	2.5 mg/kg/day
Long term systemic effects – Inhalation	21.73 mg/m ³
Long term systemic effects – Oral	6.25 mg/kg/day
PNEC(water)	
PNEC aqua (Freshwater)	0.007 mg/l
PNEC aqua (Marine water)	0.0007 mg/l
PNEC aqua (Intermittent release)	0.0024 mg/l
PNEC(Sediment)	
PNEC sediment	830 mg/l
PNEC soil	0.0189 mg/l
PNEC sediment	0.0424 mg/kg

No exposure limits known for other ingredient(s).

8.2 Exposure Controls

Personal Protective Equipment: No special clothing is recommended under normal use.

Hand Protection: No special clothing is recommended under normal use.

Eye Protection: No special clothing is recommended under normal use.

Body Protection: No special clothing is recommended under normal use.

Respiratory Protection: No special respiratory equipment is recommended under normal use with adequate ventilation.

Environmental exposure controls: Avoid release to the environment. Do not allow to enter into surface water or drains.

Section 9: Physical & Chemical Properties

9.1 Information on Basic Physical & Chemical Properties

Physical state:	Liquid
Colour:	Colourless
Odour:	Characteristic
Odour:	No data available
pH:	4.0-4.5
Relative evaporation rate (butylacetate=1):	No data available
Melting Point:	Not applicable
Freezing point:	Not applicable
Boiling point:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Vapour pressure:	No data available
Relative Density:	1.028 kg/l
Solubility:	Miscible with water
Partition coefficient:	No data available
Kinematic viscosity:	No data available
Dynamic viscosity:	No data available

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Explosive properties: No data available

Oxidising properties: No data available

Explosive limits: No data available

9.2 Other Information

VOC content: No data available

Section 10: Stability and Reactivity

10.1 Reactivity

This product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of Hazardous Reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to Avoid

Keep out of direct sunlight and away from direct heat.

10.5 Incompatible Materials

No available data.

10.6 Hazardous Decomposition Products

No hazardous decomposition known under normal conditions of use.

Section 11: Toxicological Information

11.1 Information of Toxicological Effects

This mixture has not been subjected to toxicological testing.

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

Section 12: Ecological Information


12.1 Toxicity

Ecology – general: This product is not considered harmful to aquatic organisms not to cause long term effects to the environment.

Acute aquatic toxicity: Not classified

Chronic aquatic toxicity: Not classified.

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12.2 Persistence & Degradability

This product does not contain any persistent substances. The surfactants comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States.

12.3 Bioaccumulative Potential

The product does not contain any substances expected to be bioaccumulating.

12.4 Mobility in Soil

No data available.

12.5 Results of PBT and vPvB Assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other Adverse Effects

This product is suitable for use with septic tanks and other waste water treatment plants.

Section 13: Disposal Considerations

13.1 Waste Treatment Methods

Dispose of contents/container in accordance with current regulations. Collect and dispose of waste product at an authorised disposal facility or contact your local waste disposal site for advice. This product is not classified as hazardous waste.

Section 14: Transport Information

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1 UN Number

Not required.

14.2 UN Proper Shipping Name

Not required.

14.3 Transport Hazard Classes

Not required.

14.4 Packing Group


Not required.

14.5 Environmental Hazards

Dangerous for the environment: No

Marine pollutant: No

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Other information: No other information available

14.6 Special Precautions for User

Overland transport: Keep products in a cool dry place and ensure a stable journey to prevent damages.

Transport by sea: Keep products in a cool dry place and ensure a stable journey to prevent damages.

Air transport: Keep products in a cool dry place and ensure a stable journey to prevent damages.

Inland waterway transport: Keep products in a cool dry place and ensure a stable journey to prevent damages.

Rail transport: Keep products in a cool dry place and ensure a stable journey to prevent damages.

14.7 Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Section 15: Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

15.1.1 EU Regulations

Cosmetic Products Safety Regulation 1223/2009

15.1.2 National Regulations

None

15.2 Chemical Safety Assessment

No chemical safety assessment has been conducted for this mixture.

Section 16: Other Information

Classification:

Not Classified

Department issuing SDS:

Bio-D Quality and Regulatory Affairs Department


Sources of key data:

ECHA Website, Supplier SDSs

Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

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RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Disclaimer Of Liability:

The information in this SDS was obtained from sources which we believe are reliable. However the information is provided without any warranty, express or implied, regarding its correctness.

End of Safety Data Sheet