

Safety Data Sheet

In accordance with REACH Regulation EC No.1907/2006

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Glycerin
CAS number: 56-81-5
EINECS number: 200-289-5
Synonyms: -
INCI name: Glycerin

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

Use of substance/mixture: Industrial use, professional use, detergent, cosmetics, for food.
Uses advised against: At this moment we have not identified any uses advised against.
Remarks: This substance is exempt from registration according to Regulation (EC) No. 1907/2006 (REACH).

1.3. Details of the supplier of the safety data sheet

Company name: Bath and Body Base Ltd
2A Laurel Way
Bishop Auckland
Co. Durham
DL14 7NF
Tel: 07493 064263
Email: technical@bathandbodybase.com

1.4. Emergency telephone number

Emergency tel: 07493 064263

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation S.I. 2019/720 (GB CLP): The product is not classified as dangerous according to Regulation S.I. 2019/720 (GB CLP).
The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.
Most important adverse effects: Human health: See Section 11 for toxicological information.
Physical and chemical hazards: See Section 9 for physicochemical information.
Potential environmental effects: See Section 12 for environmental information.

2.2. Label elements

Labelling according to Regulation S.I. 2019/720 (GB CLP): The product is not labelled as dangerous according to Regulation S.I. 2019/720 (GB CLP).
The product is not labelled as dangerous according to Regulation (EC) No. 1272/2008.

2.3. Other hazards

Other hazards:	<p>This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.</p> <p>Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.</p> <p>Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.</p>
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Section 3: Composition/information on ingredients**3.1. Substances**

Chemical name:	Glycerol
CAS:	56-81-5
EC:	200-289-5
Amount (%):	<=100

Section 4: First aid measures**4.1. Description of first aid measures**

General advice:	No special precautions required.
Skin contact:	Wash off with soap and water. Take off all contaminated clothing immediately.
Eye contact:	If symptoms persist, call a physician. Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.
Ingestion:	Rinse mouth with water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do NOT induce vomiting.
Inhalation:	Remove to fresh air. If symptoms persist, call a physician.

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

Symptoms:	There may be mild irritation at the site of contact. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. See Section 11 for more detailed information on health effects and symptoms.
Effects:	See Section 11 for more detailed information on health effects and symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment:	Treat symptomatically.
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Section 5: Fire-fighting measures**5.1. Extinguishing media**

Suitable extinguishing media: Water spray, foam, dry powder or CO₂.

Unsuitable extinguishing media: High volume water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting: Heating or fire can release toxic gas.

Hazardous combustion products: Carbon dioxide (CO₂), carbon monoxide.

5.3. Advice for fire-fighters

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.

Further advice: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Section 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions: Use personal protective equipment. Avoid contact with skin, eyes and clothing. For personal protection see Section 8. Ensure adequate ventilation. High risk of slipping due to leakage/spillage of product.

6.2. Environmental precautions

Environmental precautions: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

6.3. Methods and material for containment and cleaning up

Methods and materials for containment and cleaning up: Use mechanical handling equipment. Keep in suitable, closed containers for disposal.

Further information: Treat recovered material as described in the section "Disposal considerations".

6.4. Reference to other sections

Reference to other sections: For personal protection see Section 8.

Section 7: Handling and storage**7.1. Precautions for safe handling**

Advice on safe handling: Keep container tightly closed. Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Provide adequate ventilation. Avoid contact with the skin and the eyes.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Keep only in the original container.

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

Further information on storage conditions: Keep tightly closed in a dry and cool place. Keep away from heat. Protect from frost.

Advice on common storage: Keep away from food, drink and animal feeding stuffs. Incompatible with oxidizing agents. Keep away from alkalizing materials.

7.3. Specific end use(s)

Specific use(s): No information available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Contains no substances with occupational exposure limit values.

Component: Glycerol
CAS No: 56-81-5:

Other occupational exposure limit values
UK. EH40 Workplace Exposure Limits (WELs), as amended, Time Weighted Average (TWA): Mist.
10 mg/m³

8.2. Exposure controls

PPE - Respiratory protection Advice: Required, if exposure limit is exceeded (e.g. OEL). If ventilation is insufficient, suitable respiratory protection must be provided. Use respirator with appropriate filter if vapours or aerosol are released. Respiratory protection complying with EN 141.

PPE - Hand protection Advice: Protective gloves complying with EN 374. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Protective gloves should be replaced at first signs of wear.

PPE - Hand protection Material: butyl-rubber
Nitrile rubber

PPE - Eye protection Advice: Safety goggles. Equipment should conform to EN 166.

PPE - Skin & Body protection Advice: Protective work clothing.

Environmental exposure control - General advice: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form: Viscous, liquid

Physical state: Liquid

Colour:	Colourless
Odour:	Odourless
Odour threshold:	No data available
Melting point/range:	18°C
Boiling point/boiling range:	290°C
Flammability:	No data available
Upper explosion limit/upper flammability limit:	No data available
Lower explosion limit/lower flammability limit:	No data available
Flash point:	175°C
Auto-ignition temperature:	400°C
Decomposition temperature:	No data available
Self-Accelerating decomposition temperature (SADT):	No data available
pH:	7
Viscosity, dynamic:	No data available
Viscosity, kinematic:	No data available
Flow time:	No data available
Water solubility:	Completely miscible
Solubility in other solvents:	No data available
Dissolution rate:	No data available
Partition coefficient: n-octanol/water:	No data available
Dispersion stability:	No data available
Vapour pressure:	<1 hPa (20°C) <1 hPa (50°C)
Relative density:	No data available
Density:	1.26g/cm ³ (20°C)
Bulk density:	No data available
Relative vapour density:	No data available
Particle characteristics:	No data available

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Advice: No data is available on the product itself.

10.2. Chemical stability

Advice: Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: No data available.

10.4. Conditions to avoid

Conditions to avoid: Heat. Keep away from direct sunlight.

10.5. Incompatible materials

Materials to avoid: Oxidizing agents, alkalis.

10.6. Hazardous decomposition product

Haz. decomp. products: No data available.

Section 11: Toxicological information**11.1. Information on the hazard classes within the meaning of Regulation (EC) No. 1272/2008**

Data for the product:

Acute Toxicity

Oral

LD50 Oral: >2,000mg/kg (Rat)

Irritation

Eye

Result: May irritate eye.

Sensitisation

Result: No sensitizing effect known.

Further information

Other relevant toxicity information: Handle in accordance with good industrial hygiene and safety practice.

Experience with human exposure: Health injuries are not known or expected under normal use.

Component: Glycerol
CAS No: 56-81-5:

Acute Toxicity

Oral

LD50: 12,600mg/kg (Rat)

Dermal

LD50: >18,700mg/kg (Rabbit)

11.2. Information on other hazards

Data for the product:

Endocrine disrupting properties

Assessment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Section 12: Ecological information**12.1. Toxicity**

Data for the product:	<u>Acute Toxicity</u> <u>Fish</u> LC50: >5,000mg/l (Fish; 96h) (Toxicity to fish)
Component: Glycerol CAS No 56-81-5:	<u>Acute Toxicity</u> <u>Fish</u> LC50: >10,000mg/l (Leuciscus idus (Golden orfe)) <u>Toxicity to daphnia and other aquatic invertebrates</u> LC50: >10,000 mg/l (Daphnia magna) <u>Bacteria</u> EC50: >10,000 mg/l (Pseudomonas putida; 16 h)

12.2. Persistence and degradability

Data for the product:	<u>Persistence and degradability</u> <u>Biodegradability</u> Result: Readily biodegradable
Component: Glycerol CAS No 56-81-5:	<u>Persistence and degradability</u> <u>Biodegradability</u> Result: Readily biodegradable

12.3. Bioaccumulative potential

Data for the product:	<u>Bioaccumulation</u> Result: Bioaccumulation is not expected
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12.4. Mobility in soil

Data for the product:	<u>Mobility</u> Result: No data available
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12.5. Results of PBT and vPvB assessment

Data for the product:	<u>Results of PBT and vPvB assessment</u> Result: No data available Result: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
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12.6. Endocrine disrupting properties

Data for the product:	Endocrine disrupting potential: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
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12.7. Other adverse effects

Data for the product:	<u>Additional ecological information</u> Result: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
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Component: Glycerol
CAS No 56-81-5:

Additional ecological information

Result: Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

Section 13: Disposal considerations

13.1. Waste treatment methods

Product:	Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.
Contaminated packaging:	Empty containers or liners may retain some products residues. Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.
European waste catalogue number:	No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

Section 14: Transport information

Not dangerous goods for ADR, RID, IMDG and IATA.

UN number or ID number:	Not applicable.
UN proper shipping name:	Not applicable.
Transport hazard class(es):	Not applicable.
Packaging group:	Not applicable.
Environmental hazards:	Not applicable.
Special precautions for user:	Not applicable.
Maritime transport in bulk according to IMO instruments:	Not applicable for product as supplied.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Component: Glycerol CAS No 56-81-5:	EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I: The substance/mixture does not fall under this legislation. Germany. Ordinance on Facilities Handling Substances that are Hazardous to Water, ((AwSV of 21 April 2017), UBA, BAnz AT), as Amended: WGK 1: slightly hazardous to water: 116.
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15.2. Chemical Safety Assessment

Chemical safety assessment:	No data available.
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Section 16: Other information**16.1. Other information****Other information:**

* Indicates text in the SDS which has changed since the last revision.

Legal disclaimer:

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Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

Compliance with all appropriate local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing.

Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary.

All health and safety information contained in this document should be provided to your employees or customers.