

Emissco

Glass Cleaner Bulk

5L / 25L / IBC

Material Safety Data Sheet



SAFETY DATA SHEET



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 Issued: 26/08/2025; Revision No.1
 Regulation (EU) 2020/878

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

- 1.1 Product Identifier**
 Material name : Glass Cleaner (Bulk) 5L - 25L - IBC
 Product code : SPB1027 - SPB1028 - SPB1060
 UFI : D5U2-40J6-E00S-E65P
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
 Product use : Cleaning solution
- 1.3 Details of the supplier of the safety data sheet**
 Manufacturer/Supplier: Emissco Ltd
 New Haden Road
 Brookhouses Ind Est
 Cheadle
 Staffordshire
 ST10 1UF

 Tel. : 01538 752561

 Email (for SDSs) : info@emissco.co.uk
- 1.4 Emergency tel. no.:** +44 (0) 1538 752561 (Available 9am-5pm)
National emergency UK NPIS 0344 892 0111 Ireland NPIC (01) 809 2566
telephone number: National Poisons Information Centre on 01 809 2166

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to Regulation (EC) 1272/2008: Classification, Labelling and Packaging of Substances and Mixtures (CLP):

Physical and Chemical Hazards	Flam.Liq.3; H226
Human health	Eye Irrit.2; H319
Environment	Not classified.

2.2 Label elements

Labelling according to EC Directives: 1272/2008/EC:

Signal word: Warning

Hazard Pictogram(s):



Hazard Statements: H226 Flammable liquid and vapour.
 H319 Causes serious eye irritation.

Precautionary Statements:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
 No smoking.
 P261 Avoid breathing vapour.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/eye/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses if present and easy to do. Continue rinsing.
 P501 Dispose of contents/container in accordance with local/national regulations.

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2.3 Other hazards

None known.

PBT and vPvB assessment

The product does not contain any substance(s) classified as PBT or vPvB.

Endocrine Disruptor 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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components

Chemical Name	CAS No./ EC No./ Index No./ Reg. No	Classification (1272/2008/EC)	SCL/ M-Factor/ ATE	Content
PROPAN-2-OL	67-63-0 200-661-7 603-117-00-0 01-2119457558-25	Flam.Liq.2; H225 Eye Irrit. 2; H319 STOT SE3; H336	No relevant data	10-20%
2-BUTOXYETHANOL Syn. BUTYL GLYCOL	111-76-2 203-905-0 603-014-00-0 01-2119475108-36	Ac.Tox.4; H302 Sk.Irrit.2; H315 Eye Irrit. 2; H319 Ac.Tox.3; H331	Inhalation ATE: 3 mg/L (Vapours) Oral ATE: 1200 mg/kg bw	1-5%
SODIUM BENZOATE	532-32-1 208-534-8 01-2119460683-35	Eye Irrit. 2; H319	No relevant data.	0-1%
ALCOHOLS, C9-11, ETHOXYLATED	68439-46-3 614-482-0	Ac.Tox.4; H302 Eye Dam.1; H318	No relevant data.	0-0.5%

See Section 16 for the full text of the H-statements noted above.

(1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation).

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Remove casualty from exposure ensuring one's own safety whilst doing so. Take off any contaminated clothing and shoes/boots immediately. Never give anything by mouth to an unconscious person.

Skin contact: Wash with soap and water. Seek medical advice if irritation develops.

Eye contact: Rinse with water for 10 minutes and seek medical advice if irritation persists.

Ingestion: Rinse mouth with water and give water to drink. Do not induce vomiting. Seek medical advice.

Inhalation: Remove to fresh air. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed: Causes serious eye irritation.

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

5. FIRE-FIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media: Carbon dioxide; dry chemical powder; alcohol or polymer foam.

Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting: Irritating/toxic fumes may be released at elevated temperatures.

5.3 Advice for fire-fighters:

Special protective equipment: Wear self-contained breathing apparatus. Use personal protective equipment.
Further information: Standard procedure for chemical fires. Use water spray to cool containers.
Do not allow fire run-off to enter drains.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Use personal protective equipment to deal with spillage.

6.2 Environmental precautions

Contain the spillage using sufficient appropriate absorbent material. Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform local authorities.

6.3 Methods and materials for containment and cleaning up

Wipe up liquid spillage with absorbent material such as sand, earth, or vermiculite, and place in a labelled container for disposal in accordance with local/national regulations.

6.4 References to other sections

See sections 8 and 13 for personal protection and disposal information.

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Handle with care. General good housekeeping practices. Do not eat or drink whilst using the product.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well-ventilated area. Keep container tightly closed.

7.3 Specific end use(s)

No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters****Occupational exposure limit values**

Chemical name	8hr TWA	15min STEL	Reference
Propan-2-ol	999 mg/m ³ /400 ppm	1250 mg/m ³ /500 ppm	UK EH40/2005
2-Butoxyethanol	123 mg/m ³ /25 ppm 49 mg/m ³ /10 ppm	246 mg/m ³ /50ppm 196 mg/m ³ /40 ppm	UK EH40/2005 (Sk, BMGV) Germany

(BMGV = biological monitoring guidance value, refer to EH40/2005).

Information on monitoring procedures:

Reference standard: EN 14042:2003 - "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

DNEL:

DNEL (workers)	Propan-2-ol	2-Butoxyethanol
Chronic systemic effects (dermal)	888 mg/kg bw/day	No hazard identified
Chronic systemic effects (inhalation)	500 mg/m ³	98 mg/m ³

DNEL (consumers)	Propan-2-ol	2-Butoxyethanol
Chronic systemic effects (dermal)	319 mg/kg bw/day	No hazard identified
Chronic systemic effects (inhalation)	89 mg/m ³	59 mg/m ³
Chronic systemic effects (oral)	26 mg/kg bw/day	6.3 mg/kg bw/day

PNEC:

Environment	2-Butoxyethanol	Alcohols, C9-11, ethoxylated
Aquatic compartment		
Fresh water	8.8 mg/L	103.79 µg/L
Marine water	880 µg/L	103.79 µg/L
Water-intermittent (sporadic) release	26.4 mg/L	14 µg/L
Dry Sediment – fresh water	34.6 mg/kg	13.7 mg/kg
Dry Sediment – marine water	3.46 mg/kg	13.7 mg/kg
Terrestrial compartment		
Dry soil	2.33 mg/kg	1 mg/kg
Sewage treatment plant	463 mg/L	1.4 mg/L

8.2 Exposure controls

Appropriate engineering controls: Ensure there is sufficient ventilation of the area.

Personal protection

Eye/face protection: Chemical splash goggles if eye contact is reasonably probable. The selected goggles or glasses must satisfy the European standard EN 166.

Skin protection: Wear chemically resistant gloves such as butyl rubber approved to standard EN 374; material thickness 0.5mm; break through time ≥ 480 min. Gloves must be replaced after 8 hours of wear. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Check with glove manufacturer for specific advice.

Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn. The selected protective clothing must satisfy the standard EN 13034, which describes clothing offering limited 8-hour protection against splashes. Use PPE that is chemically resistant to the product and prevents skin contact. (Sk) noted above means can be absorbed through skin.

Respiratory protection: If Workplace Exposure Limit(s) listed above are exceeded, respiratory protection may be required, in which case use a respirator fitted with an organic vapour filter.

Environmental exposure controls: Do not discharge into drains or rivers.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Colourless
Odour	Fragranced
Melting point/freezing point	No data available
Boiling point/range	No data available
Flammability	Flammable
Lower/Upper explosion limit	Not applicable
Flash point	23 - 61°C (estimated)
Auto-ignition temperature	No information available
Decomposition temperature	No data available
pH	Not available
Kinematic viscosity	No data available
Solubility	Soluble in water.
Partition coefficient: n-octanol/water	Not applicable for mixtures
Vapour pressure	No data available
Density	No data available
Relative vapour density	No data available
Particle characteristics	Not applicable

9.2 Other information: VOC Content: 22.4%

10. STABILITY AND REACTIVITY

10.1 Reactivity	Generally non-reactive.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None if stored and used as directed.
10.4 Conditions to avoid	None known.
10.5 Incompatible materials	None known.
10.6 Hazardous decomposition products	Oxides of carbon, acrid smoke, irritating fumes.

11. TOXICOLOGICAL INFORMATION**11.1 Information on hazard classes as defined in Regulation (EC) No. 1272/2008**

The mixture as a whole has not been tested for toxicological effects. Toxicological data on individual components is listed below.

Chemical name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
Propan-2-ol	5840 mg/kg (Rat)	25 mg/L (Rat)	13900 mg/kg (Rabbit)
2-butoxyethanol	1300 mg/kg (Rat)	No adverse effect	No adverse effect
Alcohols, C9-11, ethoxylated	301 mg/kg (Rat)	>1600 mg/m ³ (Rat)	2001 mg/kg (Rabbit)

Acute toxicity Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: The mixture is classified as Eye Irrit. 2: H319.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Mutagenicity: Based on available data, the classification criteria are not met.

Toxicity for reproduction: Based on available data, the classification criteria are not met.

**Specific target organ toxicity (STOT)
Single exposure:** Based on available data, the classification criteria are not met.

**Specific target organ toxicity (STOT)
Repeated exposure:** Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

11.2 Information on other hazards No information available.

11.2.1. Endocrine disrupting properties 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.

11.2.2. Other information

Other adverse effects No information available.

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12. ECOLOGICAL INFORMATION

The mixture as a whole has not been tested for ecological effects. Ecological data on individual components is listed below.

Chemical name	Species	Test	Value
Propan-2-ol	Daphnia	LC50 24h	10000 mg/l
	Fish	LC50 96h	9640 mg/l
	Algae	NOEC 7d	1800 mg/l
2-butoxyethanol	Daphnia	EC50 48h	881 mg/l
	Rainbow trout	LC50 96h	1,474 mg/l
	Algae	EC50 72h	623 mg/l
Alcohols, C9-11, ethoxylated	Daphnia	LC50 48h	2.5 mg/l
	Rainbow trout	LC50 96h	5-7 mg/l
	Algae	ErC50 96h	1.4 mg/l

12.1 Toxicity	Based on available data, the classification criteria are not met.
12.2 Persistence and degradability	Readily biodegradable.
12.3 Bioaccumulative potential	Low potential for bioaccumulation.
12.4 Mobility in soil	Soluble in water.
12.5 Results of PBT and vPvB assessment	Contains no PBT or vPvB substances.
12.6 Endocrine disrupting properties	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.
12.7 Other adverse effects	
Persistent Organic Pollutants	This product does not contain any known or suspected substance.
Ozone-depleting substances (ODS) regulation (EC) 1005/2009	This product does not contain any known or suspected substance.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations: Dispose of in accordance with local and national regulations. Do not dispose of waste into sewer. Do not dispose of together with household waste. Contact licensed waste disposal company. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not burn or use a cutting torch on the empty container.

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14. TRANSPORT INFORMATION

14.1 UN number ADR/RID/ADN; IMDG; ICAO 1993

14.2 UN proper shipping name: FLAMMABLE LIQUID, N.O.S
(Propan-2-ol, 2-butoxyethanol)

14.3 Transport hazard class(es) ADR/RID/ADN Class 3



Transport labels

14.4 Packing Group ADR/RID/ADN; IMDG; ICAO III

14.5 Environment hazards Marine Pollutant No

14.6 Special precautions for user EMS F-E, S-E
Tunnel restriction code (D/E)

14.7 Maritime transport in bulk according to IMO instruments: Not applicable

15. REGULATORY INFORMATION

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

EU Directives

Regulations (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria laid down in Regulation (EC) N° 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been performed on this product.

16. OTHER INFORMATION

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 and Commission Regulation (EU) 2020/878 amending Annex II to Regulation (EC) No. 1907/2006.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 (CLP):

Physical hazards: On basis of test data/Expert judgement.
Health hazards: Calculation method.
Environmental hazards: Not classified.

Full text of H-statements referred to under sections 2 and 3

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.

Abbreviations and acronyms

ATE: Acute Toxicity Estimate.
CAS: Chemical Abstract Service (division of the American Chemical Society).
STOT: Single Target Organ Toxicity
SE: Single exposure
DNEL: Derived no effect level – a level above which humans should not be exposed.
PNEC: Predicted No Effect Concentration
TWA: Time-weighted average.
SCL: Specific Concentration Limit
STEL: Short-term exposure limit.
PBT: Persistent, Bioaccumulative, Toxic.
vPvB: very Persistent and very Bioaccumulative.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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