



SAFETY DATA SHEET

Washroom cleaner – CF981 *rev3

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

1.1. Product identifier

Product name	Washroom cleaner – CF981 *rev3
Product number	800-277-4039
Container size	750 ml

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

Identified uses	Detergent. Disinfectant.
Uses advised against	Not for Oral Consumption. Do not use for personal cleansing. Use only for intended applications.

1.3. Details of the supplier of the safety data sheet

Supplier	Jantex Fourth Way Bristol BS11 8TB 0845 146 2887 Qualitycontrol@nisbets.co.uk
Contact person	For content of safety data sheet:, Qualitycontrol@nisbets.co.uk

1.4. Emergency telephone number

Emergency telephone	0845 146 2887 (Jantex)
National emergency telephone number	UK: In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 Ireland: National Poisons Information Centre Beaumont Hospital Tel: 01 809 2166 (8:00 a.m. to 10.00 p.m. 7 days a week) Tel: 01 809 2566 (health care professionals)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Aquatic Chronic 3 - H412

2.2. Label elements

Hazard statements	H412 Harmful to aquatic life with long lasting effects.
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Precautionary statements	P264 Wash contaminated skin thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ 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. P337+P313 If eye irritation persists: Get medical advice/ attention. P501 Dispose of contents/ container in accordance with local regulations.
Supplemental label information	BPR001 Use biocides safely. Always read the label and product information before use.
Biocide Labelling	Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)), 0.6%, Didecyl dimethyl ammonium chloride (DDAC (C8-10)), 0.15%.
Detergent labelling	< 5% disinfectants, < 5% non-ionic surfactants, < 5% perfumes
Supplementary precautionary statements	P102 Keep out of reach of children. P101 If medical advice is needed, have product container or label at hand. P103 Read label before use.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >0.1% published by the European Chemicals Agency (ECHA) under article 57 of the REACH regulation (as amended). This product is not classified as, nor contains substances classed as having endocrine disrupting characteristics at levels >0.1% by weight (according to Regulation (EU) 2018/605).

SECTION 3: Composition/information on ingredients

3.2. Mixtures

CITRIC ACID ANHYDROUS		1-5%
CAS number: 77-92-9	EC number: 201-069-1	
Classification		
Eye Irrit. 2 - H319		
ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16))		<1%
CAS number: 68424-85-1	EC number: 270-325-2	
M factor (Acute) = 10	M factor (Chronic) = 1	
Classification		
Acute Tox. 4 - H302		
Skin Corr. 1B - H314		
Eye Dam. 1 - H318		
Aquatic Acute 1 - H400		
Aquatic Chronic 1 - H410		

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Didecyldimethylammonium chloride (DDAC (C8-10))		<1%
CAS number: 68424-95-3		
M factor (Acute) = 10		M factor (Chronic) = 1
Classification Acute Tox. 3 - H301 Acute Tox. 3 - H311 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
ETHANOL		<1%
CAS number: 64-17-5		
		EC number: 200-578-6
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Provide eyewash station.
Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing. Show this Safety Data Sheet to the medical personnel.

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

General information	Provide eyewash station.
Inhalation	Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature.
Ingestion	Unlikely exposure route without abuse. Symptoms will include, Sickness, possible Irritation of GI Tract. A soapy taste may be reported.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	Causes eye irritation. Irritation and redness, followed by blurred vision.

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

Notes for the doctor	No specific recommendations.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

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Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions For personal protection, see Section 8. Treat the spilled material according to the instructions in the clean-up section. Take care as floors and other surfaces may become slippery.

6.2. Environmental precautions

Environmental precautions Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Provide adequate ventilation. Avoid spilling. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid breathing vapour/spray. Do not mix with other household chemical products. Do not mix with acid.

Advice on general occupational hygiene Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash skin thoroughly after handling. Take off contaminated clothing and wash it before reuse. Use appropriate hand lotion to prevent defatting and cracking of skin.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at room temperature. Keep out of the reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

ETHANOL

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Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

WEL = Workplace Exposure Limit.

CITRIC ACID ANHYDROUS (CAS: 77-92-9)

DNEL	Available hazard data do not support the need for a DNEL to be established for other health effects.
PNEC	- Fresh water; 0.44 mg/l - marine water; 0.044 mg/l - STP; >1000 mg/l - Sediment (Freshwater); 34.6 mg/kg - Sediment (Marinewater); 3.46 mg/kg - Soil; 33.1

D-GLUCOPYRANOSE, OLIGOMERIC, C8-10 GLYCOSIDES (CAS: 68515-73-1)

DNEL	Workers - Inhalation; Long term systemic effects: 420 mg/m³ Workers - Dermal; Long term systemic effects: 595000 mg/kg/day General population - Inhalation; Long term systemic effects: 124 mg/m³ General population - Dermal; Long term systemic effects: 357000 mg/kg General population - Oral; Long term systemic effects: 35.7 mg/kg
PNEC	- Fresh water; 0.176 mg/l - marine water; 0.0176 mg/l - Intermittent release; 0.27 mg/l - STP; 560 mg/l - Sediment (Freshwater); 1.516 mg/l - Sediment (Marinewater); 0.152 mg/l

ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16)) (CAS: 68424-85-1)

DNEL	Workers - Dermal; Long term systemic effects: 5.7 mg/kg/day Workers - Inhalation; Long term systemic effects: 3.96 mg/m³ General population - Oral; Long term systemic effects: 3.4 mg/kg/day General population - Dermal; Long term systemic effects: 3.4 mg/kg/day General population - Inhalation; Long term systemic effects: 1.64 mg/m³
PNEC	- Fresh water; 0.001 mg/l - Intermittent release, Fresh water; 0 mg/l - marine water; 0.001 mg/l - STP; 0.4 mg/l - Sediment (Freshwater); 12.27 mg/kg - Sediment (Marinewater); 13.09 mg/kg - Soil; 7 mg/kg

ALCOHOLS, C12-14, ETHOXYLATED (CAS: 68439-50-9)

DNEL	Workers - Inhalation; Long term systemic effects: 294 mg/m³ Workers - Dermal; Long term systemic effects: 2080 mg/kg/day General population - Inhalation; Long term systemic effects: 87 mg/m³ General population - Dermal; Long term systemic effects: 1250 mg/kg/day General population - Oral; Long term systemic effects: 25 mg/kg/day
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PNEC

- Fresh water; 0.0437 mg/l
- Intermittent release; 0.004 mg/l
- STP; 10 mg/l
- Sediment (Freshwater); 31 mg/kg
- Sediment (Marinewater); 31 mg/kg
- Soil; 1 mg/kg

ETHANOL (CAS: 64-17-5)

DNEL

Workers - Inhalation; Long term systemic effects: 950 mg/m³
 Workers - Inhalation; Short term local effects: 1900 mg/m³
 Workers - Dermal; Long term systemic effects: 343 mg/kg
 General population - Inhalation; Long term systemic effects: 114 mg/m³
 General population - Inhalation; Short term local effects: 950 mg/m³
 General population - Dermal; Long term systemic effects: 206 mg/kg/day
 General population - Oral; Long term systemic effects: 87 mg/kg/day

PNEC

- Fresh water; 0.96 mg/l
- marine water; 0.79 mg/l
- Intermittent release; 2.75 mg/l
- STP; 580 mg/l
- Sediment (Freshwater); 3.6 mg/kg
- Sediment (Marinewater); 2.9 mg/kg
- Soil; 0.63 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Personal protection

Data provided here is not a risk/COSHH assessment. It relates to the product as supplied and should be used in developing a risk/COSHH assessment.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment that provides appropriate eye and face protection should be worn.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). Neoprene. Nitrile rubber. Polyethylene. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. A break through time of >60 minutes is suggested. Gloves should be inspected regularly for damage.

Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact. Use appropriate hand lotion to prevent defatting and cracking of skin.

Hygiene measures

Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Use appropriate skin cream to prevent drying of skin.

Respiratory protection

Respiratory protection not required.

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Environmental exposure controls Avoid releasing into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Green.
Odour	Perfume.
Odour threshold	Not applicable.
pH	pH (concentrated solution): 2-3
Melting point	Not determined.
Initial boiling point and range	Not determined but expected to be >90 Degrees C.
Flash point	This product is not flammable.
Evaporation rate	Not applicable.
Evaporation factor	Not applicable.
Flammability (solid, gas)	Not flammable. This product does not sustain combustion.
Upper/lower flammability or explosive limits	Not applicable. The product is not flammable or explosive.
Other flammability	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	1.008-1014 @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Soluble in water.
Partition coefficient	Not applicable. Not technically possible for a mixture.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not applicable.
Viscosity	No information available.
Explosive properties	There are no chemical groups present in the product that are associated with explosive properties.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.
Comments	Information given is applicable to the product as supplied.

9.2. Other information

Other information Not relevant.

SECTION 10: Stability and reactivity

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10.1. Reactivity

Reactivity Under normal storage conditions this product is stable.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Alkalis. Mixing with Hypochlorite Bleach based products will produce toxic Chlorine gas.

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight. Avoid contact with Bleach and Alkaline materials.

10.5. Incompatible materials

Materials to avoid Avoid contact with hypochlorite bleach products. Do not mix with other cleaning chemicals.

10.6. Hazardous decomposition products

Hazardous decomposition products No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Information given is based on data of the components and of similar products.

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 198,333.33

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

ATE dermal (mg/kg) 330,833.33

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/Irritation Not classified. Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation. Calculation method.

Respiratory sensitisation

Respiratory sensitisation Not sensitising. Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Not classified. Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

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Reproductive toxicity - fertility Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

General information	This product has low toxicity.
Inhalation	Considered to be a low inhalation hazard at normal workplace temperatures.
Ingestion	May cause irritation. Symptoms following overexposure may include the following: Stomach pain. Nausea, vomiting. Diarrhoea.
Skin contact	Skin irritation should not occur when used as recommended. Prolonged or repeated exposure may cause the following adverse effects: Irritation. Redness. Dryness and/or cracking. Mild dermatitis, allergic skin rash.
Eye contact	Irritating to eyes. May cause serious eye damage. Severe irritation, burning, tearing and blurred vision. Corneal damage.

11.2 Information on other hazards

11.2.1. Endocrine disrupting properties This product is not classified as, nor contains substances classed as having endocrine disrupting characteristics at levels >0.1% by weight (according to Regulation (EU) 2018/605).

11.2.2 Other information None known

Toxicological information on ingredients.

CITRIC ACID ANHYDROUS

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,040.0

Species Mouse

ATE oral (mg/kg) 5,040.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,001.0

Species Rat

ATE dermal (mg/kg) 2,001.0

D-GLUCOPYRANOSE, OLIGOMERIC, C8-10 GLYCOSIDES

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,001.0

Species Rat

ATE oral (mg/kg) 2,001.0

Acute toxicity - dermal

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Acute toxicity dermal (LD₅₀ 2,001.0 mg/kg)

Species Rabbit

ATE dermal (mg/kg) 2,001.0

Skin sensitisation

Skin sensitisation Not sensitising. REACH dossier information.

Germ cell mutagenicity

Genotoxicity - in vitro REACH dossier information. Negative.

Genotoxicity - in vivo REACH dossier information. Negative.

ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16))

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 397.5 mg/kg)

Species Rat

ATE oral (mg/kg) 397.5

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 3,412.5 mg/kg)

Species Rabbit

ATE dermal (mg/kg) 3,412.5

Skin corrosion/irritation

Skin corrosion/irritation Corrosive to skin.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro This substance has no evidence of mutagenic properties.

Carcinogenicity

Carcinogenicity Not classified.

Reproductive toxicity

Reproductive toxicity - fertility Not classified.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified. Swallowing concentrated chemical may cause severe internal injury.

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Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Not classified.

SECTION 12: Ecological information

Ecotoxicity There are no data on the ecotoxicity of this product. Not regarded as dangerous for the environment.

12.1. Toxicity

Toxicity Not considered toxic to fish.

Ecological information on ingredients.

CITRIC ACID ANHYDROUS

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 48 hours: 440 and 760 mg/l, Leuciscus idus (Golden orfe)

Acute toxicity - aquatic invertebrates EC₅₀, 24 hours: 1535 mg/l, Daphnia magna

D-GLUCOPYRANOSE, OLIGOMERIC, C8-10 GLYCOSIDES

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 100.81 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 101 mg/l, Daphnia magna

Acute toxicity - microorganisms EC₅₀, 6 hours: >560 mg/l,

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates NOEC, 21 days: 1 mg/l, Daphnia magna

ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16))

Acute aquatic toxicity

LE(C)₅₀ 0.01 < L(E)C₅₀ ≤ 0.1

M factor (Acute) 10

Acute toxicity - fish LC₅₀, 96 hours: 0.515 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.016 mg/l, Daphnia magna

Acute toxicity - aquatic plants LC₅₀, : 0.03 mg/l,

Chronic aquatic toxicity

NOEC 0.001 < NOEC ≤ 0.01

Degradability Rapidly degradable

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M factor (Chronic) 1

Chronic toxicity - fish early life stage NOEC, : 0.32 mg/l,

Chronic toxicity - aquatic invertebrates NOEC, : 0.025 mg/l, Daphnia magna
NOEC, : 0.009 mg/l, Freshwater algae

12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations (as amended).

Ecological information on ingredients.

CITRIC ACID ANHYDROUS

Persistence and degradability The product is biodegradable.

D-GLUCOPYRANOSE, OLIGOMERIC, C8-10 GLYCOSIDES

Biodegradation Water - Degradation 100%: 28 days

ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16))

Phototransformation REACH dossier information.
Air - Half-life : 0.25 days

Stability (hydrolysis) REACH dossier information.
- Half-life : 1 year @ 20°C

Biodegradation - 63-95%: 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not applicable. Not technically possible for a mixture.

Ecological information on ingredients.

CITRIC ACID ANHYDROUS

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient log Pow: -1.72 REACH dossier information.

D-GLUCOPYRANOSE, OLIGOMERIC, C8-10 GLYCOSIDES

Partition coefficient log Pow: 1.72 REACH dossier information.

ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16))

Bioaccumulative potential Low potential for bioaccumulation.

Partition coefficient log Kow: 2.75

12.4. Mobility in soil

Mobility The product is water-soluble and may spread in water systems.

Ecological information on ingredients.

Washroom cleaner – CF981 *rev3**CITRIC ACID ANHYDROUS**

Mobility Soluble in water.

D-GLUCOPYRANOSE, OLIGOMERIC, C8-10 GLYCOSIDES

Henry's law constant 0 Pa m³/mol @ 25°C

ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16))

Henry's law constant 0 Pa m³/mol @ 20°C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Endocrine disrupting properties

Endocrine disrupting properties This product is not classified as, nor contains substances classed as having endocrine disrupting characteristics at levels >0.1% by weight (according to Regulation (EU) 2018/605).

Ecological information on ingredients.**CITRIC ACID ANHYDROUS**

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

D-GLUCOPYRANOSE, OLIGOMERIC, C8-10 GLYCOSIDES

Results of PBT and vPvB assessment No data available.

ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16))

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

12.6. Other adverse effects

Other adverse effects None known.

Ecological information on ingredients.**CITRIC ACID ANHYDROUS**

Other adverse effects Not available.

D-GLUCOPYRANOSE, OLIGOMERIC, C8-10 GLYCOSIDES

Other adverse effects None known.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

General information Do not discharge into drains or watercourses or onto the ground.

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Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Normal use solutions are expected to be flushed to sewers. Reuse or recycle products wherever possible.

SECTION 14: Transport information

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

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

**Annex II of MARPOL 73/78
and the IBC Code**

SECTION 15: Regulatory information

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

National regulations The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
EH40/2005 Workplace exposure limits.
UK Biocidal Regulations.
The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (SI 2020 No. 1577) (as amended).
The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019 No. 696) (as amended).
The Detergents Regulations 2010 (SI 2010 No. 740) (as amended). The Detergents (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 612) (as amended). The Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 671) (as amended).
The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

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EU legislation	European Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (as amended) European Regulation (EC) No 1907/2006 - Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). European Regulation (EC) No 648/2004 on detergents (as amended). European Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products (BPR) as amended. Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) 1907/2006.
Guidance	Workplace Exposure Limits EH40. ECHA Guidance on the Application of the CLP Criteria. ECHA Guidance on the compilation of safety data sheets. COSHH Essentials. Technical Guidance WM2: Hazardous Waste.

15.2. Chemical safety assessment

No information available.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	DNEL: Derived No Effect Level. PBT: Persistent, Bioaccumulative and Toxic substance. PNEC: Predicted No Effect Concentration. MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision. Note: Finished product SDS take their revision history from the parent bulk liquid SDS. The revision data will show that of the parent liquid. Revised formulation.
Revision date	28/01/2026
Revision	1
SDS number	23945
Hazard statements in full	H225 Highly flammable liquid and vapour. H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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