

## SAFETY DATA SHEET

# Washroom Cleaner

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

#### 1.1. Product identifier

Trade name

Washroom Cleaner

Product no.

HM107

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

Relevant identified uses of the substance or mixture

Cleaning agent

Restricted to professional users.

Uses advised against

None known.

#### 1.3. Details of the supplier of the safety data sheet

Company and address

**Kitchenmaster NI Ltd**

11 Comber Road,

BT8 8AN Belfast

United Kingdom

028 9081477 02890812881

sales@kitchenmaster-ni.com

E-mail

sales@kitchenmaster-ni.com

Revision

19/06/2024

SDS Version

1.0

#### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

### SECTION 2: Hazards identification

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

#### 2.1. Classification of the substance or mixture

Eye Irrit. 2; H319, Causes serious eye irritation.

Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

Hazard pictogram(s)



Signal word

Warning

Hazard statement(s)

Causes serious eye irritation. (H319)

Harmful to aquatic life with long lasting effects. (H412)

Precautionary statement(s)

General

-

#### Prevention

Avoid release to the environment. (P273)  
Wear eye protection/protective gloves. (P280)

#### Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)  
If eye irritation persists: Get medical advice/attention. (P337+P313)

#### Storage

-

#### Disposal

Dispose of contents/container in accordance with local regulation (P501)

#### Hazardous substances

None known.

#### Additional labelling

Not applicable.

#### Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law

< 5%

- Cationic surfactants
- Non-ionic surfactants
- Perfumes

#### 2.3. Other hazards

##### Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable. This product is a mixture.

#### 3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
citric acid monohydrate	CAS No.: 5949-29-1 EC No.: 611-842-9 UK-REACH: Index No.:	1-3%	Eye Irrit. 2, H319 STOT SE 3, H335	
Alcohols, C12-13, branched and linear, ethoxylated	CAS No.: 160901-19-9 EC No.: 500-457-0 UK-REACH: Index No.:	1-3%	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412	
2-butoxyethanol	CAS No.: 111-76-2 EC No.: 203-905-0 UK-REACH: Index No.: 603-014-00-0	1-3%	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332	[1]
Ethanol	CAS No.: 64-17-5 EC No.: 200-578-6 UK-REACH: Index No.: 603-002-00-5	<1%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 (SCL: 50.00 %)	
2-methylpropan-2-ol	CAS No.: 75-65-0 EC No.: 200-889-7 UK-REACH:	<0.0015%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Acute Tox. 4, H332	

Index No.: 603-005-00-1

STOT SE 3, H335

STOT SE 3, H336

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

[1] European occupational exposure limit.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

##### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

##### Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

##### Eye contact

If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

##### Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

##### Burns

Not applicable.

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

If eye irritation persists: Get medical advice/attention.

#### Information to medics

Bring this safety data sheet or the label from this product.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

#### 5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.



## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.  
Contaminated areas may be slippery.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

### 6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

### 7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage temperature

No specific requirements

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 2-butoxyethanol

Long term exposure limit (8 hours) (ppm): 25

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 123

Short term exposure limit (15 minutes) (ppm): 50

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 246

Annotations:

BMVG = Biological Monitoring Guidance Value exists

Sk = Can be absorbed through the skin and lead to systemic toxicity.

#### Ethanol

Long term exposure limit (8 hours) (ppm): 1000

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 1920

#### Diethyl phthalate

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 5

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 10

#### 2-methylpropan-2-ol

Long term exposure limit (8 hours) (ppm): 100

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 308

Short term exposure limit (15 minutes) (ppm): 150  
 Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 462

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.  
 EH40/2005 Workplace exposure limits (Fourth Edition 2020).

#### DNEL

##### 2-butoxyethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Inhalation	59 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	98 mg/m <sup>3</sup>
Short term – Local effects - General population	Inhalation	147 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	246 mg/m <sup>3</sup>
Short term – Systemic effects - General population	Inhalation	426 mg/m <sup>3</sup>
Short term – Systemic effects - Workers	Inhalation	1091 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	6.3 mg/kg bw/day
Short term – Systemic effects - General population	Oral	26.7 mg/kg bw/day

##### 2-methylpropan-2-ol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	2.7 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	5.5 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	500 µg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	2.7 mg/m <sup>3</sup>
Short term – Systemic effects - General population	Inhalation	159.8 mg/m <sup>3</sup>
Short term – Systemic effects - Workers	Inhalation	214 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	300 µg/kgbw/day

##### Diethyl phthalate

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	7.5 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	15 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	2.6 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	10.56 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	750 µg/kgbw/day

##### Ethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	206 mg/kg
Long term – Systemic effects - Workers	Dermal	343 mg/kg
Long term – Systemic effects - General population	Inhalation	114 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	950 mg/m <sup>3</sup>
Short term – Local effects - General population	Inhalation	950 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	1900 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	87 mg/kg

#### PNEC

##### 2-butoxyethanol

Route of exposure:	Duration of Exposure:	PNEC:
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Freshwater	8.8 mg/L
Freshwater sediment	34.6 mg/kg
Marine water	0.88 mg/L
Marine water sediment	3.46 mg/kg
Sewage treatment plant	463 mg/L
Soil	2.33 mg/kg

#### 2-methylpropan-2-ol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		2 mg/L
Freshwater sediment		8.04 mg/kg
Intermittent release (freshwater)		9.33 mg/L
Marine water		200 µg/L
Marine water sediment		804 µg/kg
Predators		88700 g/kg
Sewage treatment plant		690 mg/L
Soil		1 mg/kg

#### Diethyl phthalate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		12 µg/L
Freshwater sediment		137 µg/kg
Intermittent release (freshwater)		120 µg/L
Marine water		1.2 µg/L
Marine water sediment		13.7 µg/kg
Predators		33 mg/kg
Sewage treatment plant		2 mg/L
Soil		137 µg/kg

#### Ethanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0.96 mg/L
Freshwater sediment		3.6 mg/kg
Intermittent release		2.75 mg/L
Marine water		0.79 mg/L
Predators		0.00072 mg/kg
Sewage treatment plant		580 mg/L
Soil		0.63 mg/kg

## 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

### Exposure scenarios

There are no exposure scenarios implemented for this product.

### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

### Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a

local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

#### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

#### Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

#### Individual protection measures, such as personal protective equipment

##### Generally

Use only UKCA marked protective equipment.

##### Respiratory Equipment

No specific requirements

##### Skin protection

No specific requirements.

##### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Vinyl/PVC	1.2 mm	> 480	EN374-3, EN388



##### Eye protection

Type	Standards
Safety glasses with side shields.	EN166



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Liquid

#### Colour

Blue, Clear

#### Odour / Odour threshold

Characteristic

#### pH

2.5 - 3.0

#### Density (g/cm<sup>3</sup>)

-

#### Relative density

1.00 - 1.02 kg/l (20 °C)

#### Kinematic viscosity

Testing not relevant or not possible due to the nature of the product.

#### Particle characteristics

Does not apply to liquids.

#### Phase changes

##### Melting point/Freezing point (°C)

Testing not relevant or not possible due to the nature of the product.

##### Softening point/range (°C)

Does not apply to liquids.

##### Boiling point (°C)

Testing not relevant or not possible due to the nature of the product.

##### Vapour pressure

Testing not relevant or not possible due to the nature of the product.

**Relative vapour density**

Testing not relevant or not possible due to the nature of the product.

**Decomposition temperature (°C)**

Testing not relevant or not possible due to the nature of the product.

**Data on fire and explosion hazards**

**Flash point (°C)**

No flash point to boiling.

**Flammability (°C)**

Testing not relevant or not possible due to the nature of the product.

**Auto-ignition temperature (°C)**

Testing not relevant or not possible due to the nature of the product.

**Lower and upper explosion limit (% v/v)**

Testing not relevant or not possible due to the nature of the product.

**Solubility**

**Solubility in water**

Soluble

**n-octanol/water coefficient (LogKow)**

Testing not relevant or not possible due to the nature of the product.

**Solubility in fat (g/L)**

Testing not relevant or not possible due to the nature of the product.

**9.2. Other information**

**Oxidizing properties**

Testing not relevant or not possible due to the nature of the product.

**Other physical and chemical parameters**

No data available.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

The product is stable under the conditions, noted in section 7 "Handling and storage".

**10.3. Possibility of hazardous reactions**

None known.

**10.4. Conditions to avoid**

None known.

**10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**10.6. Hazardous decomposition products**

The product is not degraded when used as specified in section 1.

**SECTION 11: Toxicological information**

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law**

We have not carried out any animal testing for this product. Any ATE figures quoted below are from toxicity classifications that have been carried out using ATE (Acute Toxicity Estimate) calculation method, using LD50 or ATE figures provided by the raw material manufacturer.

**Acute toxicity**

Product/substance	citric acid monohydrate
Test method:	OECD 401
Species:	Mouse
Route of exposure:	Oral
Test:	LD50
Result:	5400 mg/kg

Product/substance	citric acid monohydrate
Test method:	OECD 402
Species:	Rat

Route of exposure: Dermal  
 Test: LD50  
 Result: >2000 mg/kg

Product/substance: Alcohols, C12-13, branched and linear, ethoxylated  
 Species: Rat  
 Test: LD50  
 Result: >300-2000 mg/kg

Product/substance: Alcohols, C12-13, branched and linear, ethoxylated  
 Species: Rabbit  
 Route of exposure: Dermal  
 Result: >2000 mg/kg

Product/substance: 2-butoxyethanol  
 Test method: OECD 401  
 Species: Rat  
 Route of exposure: Oral  
 Test: LC50  
 Result: 1300 mg/kg

Product/substance: 2-butoxyethanol  
 Species: Guinea pig  
 Route of exposure: Inhalation  
 Test: LC0  
 Result: >3.1 mg/L

Product/substance: Ethanol  
 Test method: OECD 401  
 Species: Rat  
 Route of exposure: Oral  
 Test: LD50  
 Result: 10470 mg/kg

Product/substance: Ethanol  
 Test method: OECD 403  
 Species: Rat  
 Route of exposure: Inhalation  
 Test: LC50 (4 hours)  
 Result: 51 mg/L

Product/substance: Ethanol  
 Test method: OECD 402  
 Species: Rabbit  
 Route of exposure: Dermal  
 Test: LD50  
 Result: >2000 mg/kg

**Skin corrosion/irritation**

Product/substance: Ethanol  
 Test method: OECD 404  
 Species: Rabbit  
 Result: No adverse effect observed (Not irritating)

**Serious eye damage/irritation**

Product/substance: 2-butoxyethanol  
 Test method: OECD 405  
 Species: Rabbit  
 Duration: 24 hours  
 Result: Adverse effect observed (Irritating)

Product/substance: Ethanol  
 Test method: OECD 405  
 Species: Rabbit

Result: Adverse effect observed (Irritating)

Causes serious eye irritation.

#### Respiratory sensitisation

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

#### Skin sensitisation

Product/substance: Ethanol  
 Test method: OECD 406  
 Species: Guinea pig  
 Result: No adverse effect observed (not sensitising)

#### Germ cell mutagenicity

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

#### Carcinogenicity

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

#### Reproductive toxicity

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

#### STOT-single exposure

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

#### 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

#### Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

#### Endocrine disrupting properties

Product/substance: Diethyl phthalate

#### Other information

2-butoxyethanol has been classified by IARC as a group 3 carcinogen.

## SECTION 12: Ecological information

### 12.1. Toxicity

Product/substance: citric acid monohydrate  
 Test method: OECD 203  
 Species: Fish  
 Duration: 48 hours  
 Test: LC50  
 Result: 440 mg/L

Product/substance: citric acid monohydrate  
 Species: Algae  
 Test: NOEC  
 Result: 425 mg/L

Product/substance: citric acid monohydrate  
 Species: Daphnia, Daphnia magna  
 Duration: 24 hours  
 Test: LC50  
 Result: 1535 mg/L

Product/substance: Alcohols, C12-13, branched and linear, ethoxylated  
 Species: Daphnia, Daphnia magna  
 Duration: 48 hours  
 Test: EC50  
 Result: 1-10 mg/L

Product/substance: 2-butoxyethanol  
 Test method: OECD 203

Species:	Fish, <i>Oncorhynchus mykiss</i>
Duration:	96 hours
Test:	LC50
Result:	1474 mg/L

Product/substance	2-butoxyethanol
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	1550 mg/L

Product/substance	Ethanol
Species:	Daphnia, <i>Daphnia magna</i>
Duration:	48 hours
Test:	LC50
Result:	12340 mg/L

Harmful to aquatic life with long lasting effects.

We have not carried out any animal testing for this product. Any ATE figures quoted below are from toxicity classifications that have been carried out using ATE (Acute Toxicity Estimate) calculation method, using LD50 or ATE figures provided by the raw material manufacturer.

#### 12.2. Persistence and degradability

Product/substance	Ethanol
Result:	97%
Conclusion:	Readily biodegradable
Test:	OECD 301 B

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. 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.

#### 12.3. Bioaccumulative potential

Product/substance	2-butoxyethanol
LogKow:	0.81
Conclusion:	Bioaccumulation is not expected

Product/substance	Ethanol
LogKow:	-0.35
Conclusion:	No potential for bioaccumulation

#### 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

#### 12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

#### 12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

### SECTION 13: Disposal considerations

#### Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 14 – Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

#### EWC code

Not applicable.

#### Specific labelling

### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

#### Additional information

Not dangerous goods according to ADR, IATA and IMDG.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Maritime transport in bulk according to IMO instruments

No data available.

## SECTION 15: Regulatory information

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

#### Restrictions for application

Restricted to professional users.

#### Demands for specific education

No specific requirements.

#### SEVESO - Categories / dangerous substances

Not applicable.

#### UK-REACH, Annex XVII

Ethanol is subject to UK-REACH restrictions, UK-REACH annex XVII (entry 40).

2-methylpropan-2-ol is subject to UK-REACH restrictions, UK-REACH annex XVII (entry 40).

#### Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law

- < 5%
- Cationic surfactants
- Non-ionic surfactants
- Perfumes

#### Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. 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.

#### Sources

- The Health and Safety at Work etc. Act 1974 Regulations 2013.
- Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.
- Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H225, Highly flammable liquid and vapour.  
H302, Harmful if swallowed.  
H312, Harmful in contact with skin.  
H315, Causes skin irritation.  
H318, Causes serious eye damage.  
H319, Causes serious eye irritation.  
H332, Harmful if inhaled.  
H335, May cause respiratory irritation.  
H336, May cause drowsiness or dizziness.  
H412, Harmful to aquatic life with long lasting effects.

#### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CE = Conformité Européenne (European conformity)  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EuPCS = European Product Categorisation System  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
GWP = Global warming potential  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.  
The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

#### The safety data sheet is validated by

Christopher Murray

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.  
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not



According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

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necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

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