

SAFETY DATA SHEET
OxyBAC Fresh

According to Regulation (EC) No 1907/2006, Annex II, as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name OxyBAC Fresh

Product number OXYFR47ML, OXYFR1L, OXYFR1LFR, OXYFR12LTF, OXYFR1L-ANZ, OXYFR12LDE, OXYFR1LDE, OXYFR47DE

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

Identified uses PT1 Human Hygiene Biocidal Product

1.3. Details of the supplier of the safety data sheet

Supplier SC Johnson Professional Ltd
Denby Hall Way
Denby
Derbyshire
DE5 8JZ
+44 (0) 1773 855100
info.prouk@scj.com

1.4. Emergency telephone number

Emergency telephone National Poisons Information Service (UK) 0344 8920111 (Health Professionals only)
National Poisons Information Centre (Eire) 01-8092566/8379964

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification (EC 1272/2008)**

Physical hazards Not Classified

Health hazards Eye Irrit. 2 - H319

Environmental hazards Not Classified

2.2. Label elements**Hazard pictograms**

Signal word Warning

Hazard statements H319 Causes serious eye irritation.

Precautionary statements 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.
P401 Store in accordance with local regulations.
P501 Dispose of contents/ container in accordance with local regulations.

OxyBAC Fresh

Supplemental label information

BPR001 Use biocides safely. Always read the label and product information before use. Eye protection not required normally but wear eye protection if you are conducting an operation where there is a risk of this product getting in the eyes.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

GLYCERIN			1-10%
CAS number: 56-81-5	EC number: 200-289-5	REACH registration number: 01-2119471987-18-XXXX	
Classification			
Not Classified			

AMINES,C12-14(EVEN NUMBERED) ALKYLDIMETHYL,N-OXIDES			1-10%
CAS number: 308062-28-4	EC number: 931-292-6	REACH registration number: 01-2119490061-47-XXXX	
M factor (Acute) = 1			
Classification			
Acute Tox. 4 - H302			
Skin Irrit. 2 - H315			
Eye Dam. 1 - H318			
Aquatic Acute 1 - H400			
Aquatic Chronic 2 - H411			

HYDROGEN PEROXIDE SOLUTION			1-10%
CAS number: 7722-84-1	EC number: 231-765-0	REACH registration number: 01-2119485845-22-XXXX	
Classification			
Ox. Liq. 1 - H271			
Acute Tox. 4 - H302			
Acute Tox. 4 - H332			
Skin Corr. 1A - H314			
Eye Dam. 1 - H318			
STOT SE 3 - H335			
Aquatic Chronic 3 - H412			

OxyBAC Fresh

PHOSPHORIC ACID		1-10%
CAS number: 7664-38-2	EC number: 231-633-2	REACH registration number: 01-2119485924-24-XXXX
Classification		
Met. Corr. 1 - H290		
Acute Tox. 4 - H302		
Skin Corr. 1B - H314		
Eye Dam. 1 - H318		
PHENOXYETHANOL		1-10%
CAS number: 122-99-6	EC number: 204-589-7	REACH registration number: 01-2119488943-21-XXXX
Classification		
Eye Irrit. 2 - H319		
2-furoic Acid		1-10%
CAS number: 88-14-2	EC number: 201-803-0	
Classification		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
STOT SE 3 - H335		

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Not relevant.
Ingestion	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Not applicable.
Eye contact	Remove any contact lenses and open eyelids wide apart. Important! Immediately rinse with water for at least 15 minutes. Get medical attention if any discomfort continues.

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

Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Eye contact	Irritation of eyes and mucous membranes.

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

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

OxyBAC Fresh

Hazardous combustion products No known hazardous decomposition products.

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with eyes.

6.2. Environmental precautions

Environmental precautions Not considered to be a significant hazard due to the small quantities used.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Flush away spillage with plenty of water. Avoid contamination of ponds or watercourses with washing down water. Absorb spillage with non-combustible, absorbent material. Do not discharge into drains or watercourses or onto the ground.

6.4. Reference to other sections

Reference to other sections For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store at moderate temperatures in dry, well ventilated area.

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

GLYCERIN

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ mist

HYDROGEN PEROXIDE SOLUTION

Long-term exposure limit (8-hour TWA): WEL 1 ppm 1.4 mg/m³

Short-term exposure limit (15-minute): WEL 2 ppm 2.8 mg/m³

PHOSPHORIC ACID

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

Ingredient comments None.

GLYCERIN (CAS: 56-81-5)

OxyBAC Fresh

DNEL Workers - Inhalation; Long term local effects: 56 mg/m³
 General population - Inhalation; Long term local effects: 33 mg/m³
 General population - Oral; Long term systemic effects: 229 mg/kg/day

PNEC Fresh water; 0.885 mg/l
 marine water; 0.088 mg/l
 STP; 1000 mg/l
 Sediment (Freshwater); 3.3 mg/kg
 Sediment (Marinewater); 0.33 mg/kg
 Soil; 0.141 mg/kg

BUTYLENE GLYCOL (CAS: 107-88-0)

DNEL General population - Oral; Long term systemic effects: 25 mg/kg/day

PNEC - Fresh water; 0.85 mg/l
 - marine water; 0.085 mg/l
 - Intermittent release; 2 mg/l
 - STP; 10 mg/l
 - Sediment (Freshwater); 1.78 mg/kg
 - Sediment (Marinewater); 0.178 mg/kg
 - Soil; 0.13 mg/kg

AMINES,C12-14(EVEN NUMBERED) ALKYL DIMETHYL,N-OXIDES (CAS: 308062-28-4)

DNEL Workers - Inhalation; Long term systemic effects: 6.2 mg/m³
 Workers - Dermal; Long term systemic effects: 11 mg/kg/day
 General population - Inhalation; Long term systemic effects: 1.53 mg/m³
 General population - Dermal; Long term systemic effects: 5.5 mg/kg/day
 General population - Oral; Long term systemic effects: 0.44 mg/kg/day

PNEC Fresh water; 0.034 mg/l
 marine water; 0.003 mg/l
 STP; 24 mg/l
 Sediment (Freshwater); 5.24 mg/kg
 Sediment (Marinewater); 0.524 mg/kg
 Soil; 1.02 mg/kg

HYDROGEN PEROXIDE SOLUTION (CAS: 7722-84-1)

DNEL Workers - Inhalation; Long term local effects: 1.4 mg/m³
 Workers - Inhalation; Short term local effects: 3 mg/m³
 General population - Inhalation; Long term local effects: 0.21 mg/m³
 General population - Inhalation; Short term local effects: 1.93 mg/m³

PNEC - marine water; 0.0126 mg/l
 - Fresh water; 0.0126 mg/l
 - Sediment (Freshwater); 0.0103 mg/kg
 - Soil; 0.0023 mg/kg
 - Sediment (Marinewater); 0.047 mg/kg
 - Intermittent release; 0.0138 mg/kg
 - STP; 4.66 mg/l

PHOSPHORIC ACID (CAS: 7664-38-2)

OxyBAC Fresh

DNEL	Workers - Inhalation; Long term local effects: 1 mg/m ³
	Workers - Inhalation; Short term local effects: 2 mg/m ³
	General population - Inhalation; Long term local effects: 0.73 mg/m ³
	General population - Oral; Long term systemic effects: 0.1 mg/kg/day

PHENOXYETHANOL (CAS: 122-99-6)

DNEL	Workers - Inhalation; Long term systemic effects: 8.07 mg/m ³
	Workers - Dermal; Long term systemic effects: 20.83 mg/kg/day
	General population - Inhalation; Long term systemic effects: 2.41 mg/m ³
	General population - Dermal; Long term systemic effects: 10.42 mg/kg/day
PNEC	General population - Oral; Long term systemic effects: 9.23 mg/kg/day
	Fresh water; 0.943 mg/l
	marine water; 0.094 mg/l
	STP; 24.8 mg/l
	Sediment (Freshwater); 7.237 mg/kg
	Sediment (Marinewater); 0.724 mg/kg
	Soil; 1.26 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Not relevant.

Eye/face protection

Not required normally but wear eye protection if you are conducting an operation where there is a risk of this product getting in the eyes. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Not relevant.

Respiratory protection

Not relevant.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless.
Odour	Perfume.
Odour threshold	Not determined.
pH	pH (concentrated solution): 2.25 -2.5
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.
Upper/lower flammability or explosive limits	Scientifically unjustified.

OxyBAC Fresh

Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	Not determined.
Solubility(ies)	Soluble in water.
Partition coefficient	Data lacking.
Auto-ignition temperature	Scientifically unjustified.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Scientifically unjustified.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity The following materials may react violently with the product: Strong reducing agents.

10.2. Chemical stability

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not known.

10.4. Conditions to avoid

Conditions to avoid Avoid contact with strong reducing agents.

10.5. Incompatible materials

Materials to avoid Strong reducing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

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

ATE oral (mg/kg) 15,616.29

Acute toxicity - dermal

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

Acute toxicity - inhalation

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

ATE inhalation (gases ppm) 428,571.43

ATE inhalation (vapours mg/l) 1,047.62

OxyBAC Fresh

ATE inhalation (dusts/mists mg/l) 142.86

Skin corrosion/irritation

Human skin model test Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

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

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

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

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

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

Inhalation No specific health hazards known.

Ingestion May cause discomfort if swallowed.

Skin contact Skin irritation should not occur when used as recommended.

Eye contact Irritating to eyes.

Toxicological information on ingredients.

AMINES,C12-14(EVEN NUMBERED) ALKYL DIMETHYL,N-OXIDES

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,064.0

Species Rat

ATE oral (mg/kg) 1,064.0

HYDROGEN PEROXIDE SOLUTION

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,193.0

Species Rat Rat

OxyBAC Fresh

ATE oral (mg/kg)	500.0
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD ₅₀ mg/kg)	2,000.0
Species	Rabbit
<u>Acute toxicity - inhalation</u>	
ATE inhalation (gases ppm)	4,500.0
ATE inhalation (vapours mg/l)	11.0
ATE inhalation (dusts/mists mg/l)	1.5

SECTION 12: Ecological information

12.1. Toxicity

Toxicity The product is not expected to be hazardous to the environment.

Ecological information on ingredients.

AMINES,C12-14(EVEN NUMBERED) ALKYL DIMETHYL,N-OXIDES

<u>Acute aquatic toxicity</u>	
LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 2.67 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 72 hours: 3.1 mg/l, Daphnia magna
Acute toxicity - aquatic plants	NOEC, 72 hours: 0.19 mg/l, Freshwater algae
Acute toxicity - microorganisms	EC ₁₀ , 24 hour: 80 mg/l, Activated sludge

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 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 and will be made available to them at their direct request, or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Data lacking.

12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

OxyBAC Fresh

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

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Reuse or recycle products wherever possible.

SECTION 14: Transport information

Road transport notes Not classified.

Rail transport notes Not classified.

Sea transport notes Not classified.

Air transport notes Not classified.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

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

OxyBAC Fresh

EU legislation	<p>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).</p> <p>Regulation (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 (as amended).</p> <p>REGULATION (EU) No 528/2012 (as amended) concerning the making available on the market and use of biocidal products.</p>
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15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	Use biocides safely. Always read the label and product information before use.
Key literature references and sources for data	Where Exposure Scenarios for the substances listed in Section 3 are available they have been assessed for the uses identified in this data sheet or on the product label and the appropriate relevant information is incorporated into this Safety Data Sheet.
Revision comments	Revised formulation.
Revision date	10/09/2019
Revision	7
Supersedes date	10/09/2019
SDS number	21421
Hazard statements in full	<p>H271 May cause fire or explosion; strong oxidiser.</p> <p>H290 May be corrosive to metals.</p> <p>H302 Harmful if swallowed.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H315 Causes skin irritation.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H332 Harmful if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H400 Very toxic to aquatic life.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>
Notes for Hazard Statements in Full	The full text for Hazard Statements in section 16 relates to the reference numbers in sections 2 and 3 and not necessarily the finished product classification.

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.