OxyBAC/OxyBAC Extra

Version *1*.0
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier : OxyBAC/OxyBAC Extra

UFI : FR04-K0P7-M00F-YRN1

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

Use of the Substance/Mixture : PT1 Human Hygiene Biocidal Product

Uses advised against : None identified

1.3 Details of the supplier of the safety data sheet : SC Johnson Professional GmbH,
Girmesgath 5,
47803 Krefeld

Telephone : +44 (0) 1773 85510
+49 (0) 2151 73801827

E-mail address : talktous@scj.com

1.4 Emergency telephone number : National Poisons Information Centre (Eire) 01-8092566/8379964

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Hazard classification	Hazard category	Hazards identification
Serious eye damage	Category 2	Causes serious eye irritation.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)
Hazard symbols

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.

2.3 Other hazards : **Endocrine Disruptor**
The mixture does not contain any substances >0.1% that are included in the list established in accordance with Article 59(1) for having endocrine disrupting properties
PBT and vPvB substance
The mixture does not contain any substances >0.1% that meet the criteria for persistent, bioaccumulative and toxic or very persistent and very bioaccumulative in accordance with Annex XIII.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Hazardous components:

Chemical name	CAS-No./EC-No.	Reg. No.	Classification according to Regulation (EC) No 1272/2008 (CLP)	Weight percent	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
2-phenoxyethanol	122-99-6 / 204-589-7	01-2119488943-21	Acute toxicity Category 4 H302 Serious eye damage Category 1 H318 Serious eye damage/eye irritation Category 1 H318 Specific target organ toxicity - single exposure Category 3 H335	>= 1.00 - < 5.00	**ATE :** **Oral** = 1,850 mg/kg Species: Rat **Dermal** = > 2,214 mg/kg Species: Rabbit

Chemical name	CAS-No./EC-No.	Reg. No.	Classification according to Regulation (EC) No 1272/2008 (CLP)	Weight percent	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
2-methylpentane-2,4-diol	107-41-5 / 203-489-0	01-2119539582-35	Skin irritation Category 2 H315 Eye irritation Category 2 H319 Reproductive toxicity Category 2 H361d	>= 1.00 - < 5.00	**ATE :**
hydrogen peroxide solution	7722-84-1 / 231-765-0	01-2119485845-22	Oxidizing liquids Category 1 H271 Acute toxicity Category 4 H302 Acute toxicity Category 4 H332 Skin corrosion Category 1A H314 Long-term (chronic) aquatic hazard Category 3 H412 Short-term (acute) aquatic hazard Category 1 H400 Serious eye damage	>= 1.00 - < 5.00	M-Factor Acute = 1 **ATE :** **Oral** = 1,193 mg/kg Species: Rat **Dermal** = > 2,000 mg/kg Species: Rabbit **Inhalation** = 1.5 mg/l Species: Rat **SCL:** Oxidizing liquids H271 >= 70 % Oxidizing liquids H272 50 - < 70 % Skin corrosion/irritation H314 >= 70 % Skin corrosion/irritation H314

Chemical name	CAS-No./EC-No.	Reg. No.	Classification according to Regulation (EC) No 1272/2008 (CLP)	Weight percent	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
			Category 1 H318 Specific target organ toxicity - single exposure Category 3 H335 Serious eye damage/eye irritation Category 1 H318 Specific target organ toxicity - single exposure Category 3 H335		50 - < 70 % Skin corrosion/irritation H315 35 - < 50 % Serious eye damage/eye irritation H318 8 - < 50 % Serious eye damage/eye irritation H319 5 - < 8 % Specific target organ toxicity - single exposure H335 >= 35 % Oxidizing liquids H271 >= 70 % Oxidizing liquids H272 50 - < 70 % Skin corrosion H314 >= 70 % Skin corrosion H314 50 - < 70 % Skin irritation H315 35 - < 50 % Serious eye damage

Chemical name	CAS-No./EC-No.	Reg. No.	Classification according to Regulation (EC) No 1272/2008 (CLP)	Weight percent	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
					H318 8 - < 50 % Eye irritation H319 5 - < 8 % Specific target organ toxicity - single exposure H335 >= 35 %
Alkylpolyglycoside C10-16	110615-47-9 /	01-2119489418-23	Skin corrosion/irritation Category 2 H315 Serious eye damage/eye irritation Category 1 H318	>= 1.00 - < 5.00	**ATE :** **Oral** = > 5,000 mg/kg Species: Rat **Dermal =** > 2,000 mg/kg Species: Rabbit **SCL:** Skin corrosion/irritation H315 >= 30 % Serious Eye Damage/Eye Irritation H318 12 - < 30 %
Amines, C10-16-alkyldimethyl, N-oxides	308062-28-4 / 931-292-6		Short-term (acute) aquatic hazard Category 1 H400 Long-term (chronic) aquatic hazard Category 2 H411	>= 1.00 - < 5.00	M-Factor Acute = 1 **ATE :** **Oral** = > 2,000 mg/kg Species: Rat **Dermal =** > 2,000 mg/kg Species: Rat

WEL substance					
phosphoric acid, orthophosphoric acid	7664-38-2 / 231-633-2	01-2119485924-24	Skin corrosion Category 1B H314 Acute toxicity Category 4 H302 Corrosive to metals Category 1 H290	>= 0.50 - < 1.00	**ATE :** **Oral** = 1,530 mg/kg Species: Rat **Dermal** = 2,740 mg/kg Species: Rabbit **SCL:** Skin corrosion/irritation H314 >= 25 % Skin corrosion/irritation H315 10 - < 25 % Serious Eye Damage/Eye Irritation H319 10 - < 25 % Skin corrosion H314 >= 25 % Skin irritation H315 10 - < 25 % Eye irritation H319 10 - < 25 %

Additional Information
For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	:	No special requirements
Skin contact	:	No special requirements
Skin contact	:	Rinse with plenty of water. Get medical attention if irritation develops and persists.

Eye contact	:	Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion	:	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

Eyes	:	Causes serious eye irritation. No adverse effects expected when used as directed.
Skin effect	:	No adverse effects expected when used as directed.
Inhalation	:	May cause respiratory tract irritation. No adverse effects expected when used as directed.
Ingestion	:	May cause irritation to mouth, throat and stomach. May cause abdominal discomfort.

4.3 Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable	:	None identified
5.2 Special hazards arising from the substance or mixture	:	In case of fire and/or explosion do not breathe fumes. Exposure to decomposition products may be a hazard to health.
5.3 Advice for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Wear suitable protective clothing and gloves. Refer to current EN or National standard as appropriate.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective	:	Use personal protective equipment.

equipment and emergency procedures

6.2 Environmental precautions : Outside of normal use, avoid release to the environment.
Prevent large amounts of product from entering drains.
Prevent further leakage or spillage if safe to do so.
Use appropriate containment to avoid environmental contamination.

6.3 Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Clean residue from spill site.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections : For personal protection see section 8.
For disposal considerations see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling : For personal protection see section 8.
Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities : Do not freeze.
Keep out of the reach of children.
Stable at normal ambient temperature and pressure.
No decomposition if stored and applied as directed.

7.3 Specific end use(s) : Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
PT1 Human Hygiene Biocidal Product

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limit Values

Components	CAS-No.	mg/m3	ppm	Form of exposure	List
2-methylpentane-2,4-diol	107-41-5	125 mg/m3	25 ppm		IE_STELS
hydrogen peroxide solution	7722-84-1	1.5 mg/m3	1 ppm		IE_TWAS
		3 mg/m3			IE_STELS
			2 ppm		IE_STELS
phosphoric acid, orthophosphoric acid	7664-38-2	1 mg/m3			EUOEL_TWAS

		1 mg/m3			IE_TWAS
		2 mg/m3			IE_STELS

Refer to current EN or National standard as appropriate.

8.2 Exposure controls

Respiratory protection	:	No personal respiratory protective equipment normally required.
Hand protection	:	not required under normal use
Hand protection	:	For prolonged or repeated contact use protective gloves. Nitrile gloves – Thickness 0.12mm; Breakthrough time >2 hours.
Eye/face protection	:	Safety glasses
Skin and body protection	:	No special requirements.
Other information	:	Wash hands before breaks and at the end of workday.
Environmental Exposure Controls	:	Refer to section 6.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	colourless
Odour	:	Functional
pH	:	2.50 at (25 C)
Melting point/freezing point	:	0 °C
Initial boiling point and boiling range	:	> 100℃
Flash point	:	> 100 °C does not flash
Flammability (solid, gas)	:	Does not sustain combustion.
Lower flammability or explosive limits	:	Not measured as flashpoint >100 °C

Upper flammability or explosive limits	:	Not measured as flashpoint >100 °C
Vapour density	:	Not measured as flashpoint >100 °C
Relative density	:	1.026 g/cm3 at 20 °C
Solubility(ies)	:	soluble
Partition coefficient: n-octanol/water	:	Not required as the product is a mixture.
Auto-ignition temperature	:	Not measured as flashpoint >100 °C
Decomposition temperature	:	Not measured as mixture is not self-reactive
Viscosity, kinematic	:	similar to water
Particle Characteristics	:	Not required as mixture is a liquid

9.2 Other information

Other information	:	Test not applicable for this product type

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	:	No dangerous reaction known under conditions of normal use.
10.2 Chemical stability	:	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	:	None known.
10.4 Conditions to avoid	:	Extremes of temperature and direct sunlight.
10.5 Incompatible materials	:	Test not applicable for this product type
10.5 Incompatible materials	:	None known.
10.6 Hazardous decomposition products	:	No decomposition if stored and applied as directed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

Name	Method	Species	Dose
Product	LD50 Calculated		> 2,000 mg/kg

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
Product	LC50 (vapour) Calculated		> 20 mg/l	

Acute dermal toxicity

Name	Method	Species	Dose
Product	LD50 Calculated		> 2,000 mg/kg

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

Serious eye damage/eye irritation : Based on available data, the classification criteria are not met.
BCOP: Bovine Corneal Opacity and Permeability

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

Germ cell mutagenicity : Based on available data, the classification criteria are not met.

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

Toxicity for reproduction : 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

Endocrine Disrupting Properties : The mixture does not contain any substances >0.1% that are included in the list established in accordance with Article 59(1) for having endocrine disrupting properties

Other information : None identified

SECTION 12: ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

12.1 Toxicity

Toxicity to fish

Components	End point	Species	Value	Exposure time
2-phenoxyethanol	LC50 flow-through test	Pimephales promelas (fathead minnow)	344 mg/l	96 h
	NOEC flow-through test	Pimephales promelas (fathead minnow)	23 mg/l	34 d
2-methylpentane-2,4-diol	LC50 flow-through test	Pimephales promelas (fathead minnow)	8,690 mg/l	96 h
hydrogen peroxide solution	LC50	Pimephales promelas (fathead minnow)	16.4 mg/l	96 h
Alkylpolyglycoside C10-16	LC50 semi-static test ISO 7346/2	Fish	1 - 10 mg/l	96 h
	NOEC	Fish	> 1 - 10 mg/l	
Amines, C10-16-alkyldimethyl, N-oxides	LC50	Oncorhynchus mykiss (rainbow trout)	1.26 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	0.42 mg/l	21 d
phosphoric acid, orthophosphoric acid	LC50	Lepomis macrochirus (Bluegill sunfish)	3 mg/l	96 h
	NOEC semi-static test Read-across (Analogy)	Salvelinus fontinalis	4 mg/l	180 d

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time

2-phenoxyethanol	EC50	Daphnia magna (Water flea)	> 500 mg/l	48 h
	NOEC semi-static test	Daphnia magna	9.43 mg/l	21 d
2-methylpentane-2,4-diol	EC50	Daphnia magna (Water flea)	2,700 - 3,700 mg/l	48 h
hydrogen peroxide solution	LC50 semi-static test	Daphnia pulex (Water flea)	2.4 mg/l	48 h
	NOEC	Daphnia magna	0.63 mg/l	21 d
Alkylpolyglycoside C10-16	EC50 static test	Daphnia magna (Water flea)	7 mg/l	48 h
	NOEC	Daphnia	> 1 - 10 mg/l	
Amines, C10-16-alkyldimethyl, N-oxides	EC50	Daphnia magna (Water flea)	1.01 mg/l	48 h
	NOEC	Daphnia magna	0.7 mg/l	21 d
phosphoric acid, orthophosphoric acid	EC50 static test	Daphnia magna (Water flea)	> 100 mg/l	48 h

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
2-phenoxyethanol	EbC50	Desmodesmus subspicatus (green algae)	500 mg/l	72 h
2-methylpentane-2,4-diol	EC50 static test	Pseudokirchneriella subcapitata (green algae)	> 429 mg/l	72 h
hydrogen peroxide solution	EC50 static test	Skeletonema costatum (marine diatom)	1.38 mg/l	72 h
Alkylpolyglycoside C10-16	EC50 static test	Desmodesmus subspicatus (green algae)	12.5 mg/l	72 h
Amines, C10-16-alkyldimethyl, N-oxides	NOEC	Algae	0.067 mg/l	28 h
phosphoric acid, orthophosphoric acid	EC50 static test	Desmodesmus subspicatus (green algae)	> 100 mg/l	72 h

12.2 Persistence and degradability

Component	Biodegradation	Exposure time	Summary
2-phenoxyethanol	90 %	28 d	Readily biodegradable.
2-methylpentane-2,4-diol	81 %	28 d	Readily biodegradable.
hydrogen peroxide solution	> 99 %	30 min	Readily biodegradable.
Alkylpolyglycoside C10-16	> 70 %	28 d	Readily biodegradable.
Amines, C10-16-alkyldimethyl, N-oxides	80 %	28 d	Readily biodegradable.
phosphoric acid, orthophosphoric acid	No data available		

12.3 Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
2-phenoxyethanol	1.86 estimated	1.13
2-methylpentane-2,4-diol	No data available	0.58 Calculated
hydrogen peroxide solution	No data available	-1.57
Alkylpolyglycoside C10-16	No data available	<= -0.07
Amines, C10-16-alkyldimethyl, N-oxides	252.2 estimated	< 2.7
phosphoric acid, orthophosphoric acid	No data available	-0.77

12.4 Mobility in soil

Component	End point	Value
2-phenoxyethanol	Koc	40.74
2-methylpentane-2,4-diol	No data available	
hydrogen peroxide solution	No data available	
Alkylpolyglycoside C10-16	log Koc	1.7
Amines, C10-16-alkyldimethyl, N-oxides	No data available	
phosphoric acid, orthophosphoric acid	No data available	

12.5 Results of PBT and vPvB assessment

Component	Results
2-phenoxyethanol	Not fulfilling PBT and vPvB criteria
2-methylpentane-2,4-diol	Not fulfilling PBT and vPvB criteria
hydrogen peroxide solution	Not fulfilling PBT and vPvB criteria
Alkylpolyglycoside C10-16	Not fulfilling PBT and vPvB criteria
Amines, C10-16-alkyldimethyl, N-oxides	Not fulfilling PBT and vPvB criteria
phosphoric acid, orthophosphoric acid	Not fulfilling PBT and vPvB criteria

12.6 Endocrine Disrupting Properties : The mixture does not contain any substances >0.1% that are included in the list established in accordance with Article 59(1) for having endocrine disrupting properties

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Disposal should be in accordance with local, state or national legislation.
Please recycle empty packaging.

Packaging : Do not re-use empty containers.

SECTION 14: TRANSPORT INFORMATION

Land transport
Not classified as dangerous in the meaning of transport regulations.

Sea transport
Not classified as dangerous in the meaning of transport regulations.

Air transport
Not classified as dangerous in the meaning of transport regulations.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	:	This safety datasheet complies with the requirements of: Regulation (EC) No. 1907/2006. Regulation (EC) No. 1272/2008 (CLP) as amended (not applicable to cosmetics) Regulation (EC) No. 528/2012 as amended (applicable to biocidal products) Directive (EEC) No. 75/324 as amended (applicable to aerosols) Regulation (EC) No. 1223/2009 amended (applicable to cosmetic products) Regulation (EC) No. 684/2001 The surfactants contained in this preparation comply with the biodegradability criteria laid down in Regulation (EC) No.648/2004 for detergents (applicable to detergents). Directive (EC) No. 2001/95/EC - General Product Safety Directive European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) Directive 2012/18/EU Seveso Regulation (EU) 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants. SZW list of carcinogenic, mutagenic and reproductively toxic substances
15.2 Chemical safety assessment	:	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

SECTION 16: OTHER INFORMATION

If applicable, revision(s) are noted by the bold bars || in left-hand margin.

Key abbreviations or acronyms used

EC - European Community
EEC – European Economic Community
CLP – Classification Labelling & Packaging
EN – European Standard or European Norm
PBT – Persistent, Bioaccumulative & Toxic
vPvB – very persistent, very bioaccumulative
UN – United Nations

Evaluation methods

Unless otherwise stated in section 11, the procedure used to derive the human health classification is the relevant calculation method according to CLP regulation (EC) No 1272/2008 as amended.

Unless otherwise stated in section 12, the procedure used to derive the environmental classification is the summation of the classified components method according to CLP regulation (EC) No 1272/2008 as amended.

Full text of H-Statements

H302	Harmful if swallowed.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.