OxyBAC®

Version 1.2

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SDS Number 350000044985

GEN_SOF Number 79817

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier : **OxyBAC®**

Other means of Identification : 350000044985

Recommended use : Personal care – Antibacterial Hand wash

Restrictions on use : Use only as directed on label

Australia : SC Johnson Professional Pty Ltd
160 Epping Road, Lane Cove, NSW
2066, Australia
Telephone: 1800 090 330

New Zealand : SC Johnson Professional NZ Limited
79 Queen Street, Auckland 1010
New Zealand
Telephone: 0800 332 695

Poison Information Contacts : Australia: 13 11 26
New Zealand : 0800 764 766 or 0800 POISON

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Statement of Hazardous Nature (Australia)

Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Serious eye damage/eye irritation	Category 2A	Causes serious eye irritation.
Long-term (chronic) aquatic hazard	*Category 3 **	Harmful to aquatic life with long lasting effects.

* *Classification not adopted by Australia*

^ *Classification only triggered in Australia if 'Schedule 6 of WHS Regulations' met. Contact SCJ Consumer Advice number listed on product label if required.*

Statement of Hazardous Nature (New Zealand)

HSNO Classification (NZ): : Eye irritation CAT 2
Haz. to aqua Env.chronic CAT 3

Labelling - Australia **

Note: Cosmetic is exempted from GHS labelling

Hazard symbols

Exclamation mark

Signal word
Warning

Hazard statements
(H319) Causes serious eye irritation.
(H412) Harmful to aquatic life with long lasting effects.

Precautionary statements
(P101) If medical advice is needed, have product container or label at hand.
(P102) Keep out of reach of children.
(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 to an approved incineration plant.

Other hazards : None identified

** The information supplied is designed for products predominately used in workplaces; whereas consumer product labels comply with the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) labelling requirements, under The Australian CoP Labelling of Workplace Hazardous Chemicals (March 2015).

Labelling- New Zealand

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent

Glycerin	56-81-5	1.00 - 5.00
1,3-BUTYLENE GLYCOL	107-88-0	1.00 - 5.00
Lauryl Dimethylamine Oxide	308062-28-4	1.00 - 5.00
Hydrogen Peroxide	7722-84-1	1.00 - 5.00
DECYL DIMETHYL AMINE	1120-24-7	0.00 - 0.10
N,N-DIMETHYLDODECYLAMINE	112-18-5	0.00 - 0.10
DIMETHYL(TETRADECYL)AMINE	112-75-4	0.00 - 0.10
Dimethyl Palmitamine	112-69-6	0.00 - 0.10
Other non-hazardous ingredients	various	Balance to 100

4. FIRST AID MEASURES

Description of first aid measures

Eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/ attention.

Skin contact : No special requirements

Inhalation : No special requirements.

Ingestion : No special requirements

Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed : See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from substance : Container may melt and leak in heat of fire.

Special protective equipment and precautions for fire fighters	:	Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Wash thoroughly after handling.
Environmental precautions	:	Outside of normal use, avoid release to the environment.
Methods and materials for containment and cleaning up	:	Dike large spills. Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling	:	Avoid contact with skin, eyes and clothing. For personal protection see section 8. Use only as directed. KEEP OUT OF REACH OF CHILDREN AND PETS. Wash thoroughly after handling.
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers	:	Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis

Glycerin	56-81-5	10 mg/m3	-	-	AU_OESTWAS
Glycerin	56-81-5	10 mg/m3	-	-	NZ_WELTWA
Hydrogen Peroxide	7722-84-1	1.4 mg/m3	1 ppm	-	AU_OESTWAS
Hydrogen Peroxide	7722-84-1	1.4 mg/m3	1 ppm	-	NZ_WELTWA

Personal protective equipment

Respiratory protection : No special requirements.

Hand protection : No special requirements.

Eye protection : Safety glasses with side-shields

Skin and body protection : No special requirements.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Color : colourless

Odor : Clean

Odour Threshold : Test not applicable for this product type

pH : 5

Melting point/freezing point : -20℃ - 0℃

Initial boiling point and boiling range : > 100℃

Flash point	:	does not flash
Evaporation rate	:	
Flammability (solid, gas)	:	Not classified as a flammability hazard
Upper/lower flammability or explosive limits	:	Not measured as flashpoint >100 °C
Vapour pressure	:	Not measured as flashpoint >100 °C
Vapour density	:	Not measured as flashpoint >100 °C
Relative density	:	1.019 g/cm3
Solubility(ies)	:	soluble
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	does not ignite
Decomposition temperature	:	Not applicable
Viscosity, dynamic	:	similar to water
Viscosity, kinematic	:	similar to water
Oxidizing properties	:	Not applicable
Other information	:	None identified :

10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : No decomposition if stored normally.

Possibility of hazardous reactions : If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.

Conditions to avoid : Direct sources of heat.

Incompatible materials : Do not mix with bleach or any other household cleaners.
Strong bases
None known.

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 > 5000 mg/kg

Acute inhalation toxicity : LC50 > 5.1 mg/L

Acute dermal toxicity : LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal

Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	Category 2A	-
Skin sensitisation^	No classification proposed	-
Respiratory sensitisation^	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical Condition : None known.

* *Classification not adopted by Australia*

^ *Classification only triggered in Australia if 'Schedule 6 of WHS Regulations' met. Contact SCJ Consumer Advice number listed on product label if required.*

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity
The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Glycerin	LC50	Oncorhynchus mykiss (rainbow trout)	51,000 - 57,000 mg/l	96 h
1,3-BUTYLENE GLYCOL	semi-static test LC50 Read-across (Analogy)	Oryzias latipes (Orange-red killifish)	> 100 mg/l	96 h
Lauryl Dimethylamine Oxide	LC50 NOEC	Oncorhynchus mykiss (rainbow trout) Pimephales promelas (fathead minnow)	1.26 mg/l 0.42 mg/l	96 h 21 d
Hydrogen Peroxide	LC50	Pimephales promelas (fathead minnow)	16.4 mg/l	96 h
DECYL DIMETHYL AMINE	semi-static test LC50 Measured	Danio rerio (zebra fish)	1.13 mg/l	96 h
N,N-DIMETHYLDODECYLAMINE	static test LC50	Danio rerio (zebra fish)	0.71 - 1 mg/l	96 h
DIMETHYL(TETRADECYL)AMINE	LC50 Measured	Danio rerio (zebra fish)	0.35 mg/l	96 h

Dimethyl Palmitamine	semi-static test LC50 Measured	Danio rerio (zebra fish)	0.256 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Glycerin	LC50	Daphnia magna (Water flea)	1,955 mg/l	48 h
1,3-BUTYLENE GLYCOL	static test EC50 Read-across (Analogy)	Daphnia (water flea)	> 1,000 mg/l	48 h
Lauryl Dimethylamine Oxide	EC50 NOEC	Daphnia magna (Water flea) Daphnia magna	1.01 mg/l 0.7 mg/l	48 h 21 d
Hydrogen Peroxide	semi-static test LC50	Daphnia pulex (Water flea)	2.4 mg/l	48 h
DECYL DIMETHYL AMINE	semi-static EC50 Measured NOEC Read-across (Analogy)	Daphnia magna (Water flea) Daphnia magna	0.926 mg/l 0.036 mg/l	48 h 21 d
N,N-DIMETHYLDODECYLAMINE				
DIMETHYL(TETRADECYL)AMINE	EC50 Measured	Daphnia magna (Water flea)	0.51 mg/l	48 h

Dimethyl Palmitamine	semi-static test EC50 Measured static test EC50 Read-across (Analogy)	Daphnia magna (Water flea) Daphnia magna (Water flea)	0.0665 mg/l 0.31 mg/l	48 h 21 d

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Glycerin	EC10	Microcystis aeruginosa (blue-green algae)	2,900 mg/l	168 h
1,3-BUTYLENE GLYCOL				
Lauryl Dimethylamine Oxide	NOEC	Algae	0.067 mg/l	28 h
Hydrogen Peroxide	static test EC50	Skeletonema costatum (marine diatom)	1.38 mg/l	72 h
DECYL DIMETHYL AMINE	EC50 Measured	Desmodesmus subspicatus (green algae)	0.0268 mg/l	72 h
N,N-DIMETHYLDODECYLAMINE	static test EC50 Measured	Desmodesmus subspicatus (green algae)	0.0099 mg/l	72 h
DIMETHYL(TETRADECYL)AMINE	EC50	Desmodesmus subspicatus (green algae)	0.0141 mg/l	72 h
Dimethyl Palmitamine	static test EC50 Measured	Desmodesmus subspicatus (green algae)	0.0099 mg/l	72 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Glycerin	94 %	24 h	Readily biodegradable.

1,3-BUTYLENE GLYCOL	80.5 %	28 d	Readily biodegradable.
Lauryl Dimethylamine Oxide	63 %	28 d	Readily biodegradable.
Hydrogen Peroxide	> 99 %	30 min	Readily biodegradable.
DECYL DIMETHYL AMINE	83 %	28 d	Readily biodegradable.
N,N-DIMETHYLDODECYLAMINE	72 %	28 d	Readily biodegradable.
DIMETHYL(TETRADECYL)AMINE	71 %	28 d	Readily biodegradable.
Dimethyl Palmitamine	70 %	42 d	Not readily biodegradable.

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Glycerin	0.89 estimated	-1.76
1,3-BUTYLENE GLYCOL		
Lauryl Dimethylamine Oxide	252.2 estimated	< 2.7
Hydrogen Peroxide	No data available	-1.57
DECYL DIMETHYL AMINE	No data available	4.3 Calculated
N,N-DIMETHYLDODECYLAMINE	275.3	5.47
DIMETHYL(TETRADECYL)AMINE	No data available	4.5 Calculated
Dimethyl Palmitamine	No data available	4.6

Mobility

Component	End point	Value
Glycerin	No data available	-
1,3-BUTYLENE GLYCOL		-
Lauryl Dimethylamine Oxide		--
Hydrogen Peroxide		-
DECYL DIMETHYL AMINE	No data available	
N,N-DIMETHYLDODECYLAMINE		-
DIMETHYL(TETRADECYL)AMINE	No data available	
Dimethyl Palmitamine	No data available	

PBT and vPvB assessment

Component	Results
Glycerin	Not fulfilling PBT and vPvB criteria
1,3-BUTYLENE GLYCOL	Not fulfilling PBT and vPvB criteria
Lauryl Dimethylamine Oxide	Not fulfilling PBT and vPvB criteria
Hydrogen Peroxide	Not fulfilling PBT and vPvB criteria
DECYL DIMETHYL AMINE	Not fulfilling PBT and vPvB criteria
N,N-DIMETHYLDODECYLAMINE	Not fulfilling PBT and vPvB criteria
DIMETHYL(TETRADECYL)AMINE	Not fulfilling PBT and vPvB criteria
Dimethyl Palmitamine	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

Safe handling and disposal methods : Consumer may discard empty container in trash, or recycle where facilities exist.

Disposal of any contaminated packaging	:	Do not re-use empty containers.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping 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.

*§ **Land transport**: Classification based on UN Recommendations on the Transport of Dangerous Goods. Local regulations under the Australian Dangerous Goods Code (ADG) and/or the New Zealand Land Transport Rule Dangerous Goods should be applied prior to transportation of goods.*

15. REGULATORY INFORMATION

Poisons Schedule (Australia):	:	NOT SCHEDULED
HSNO Classification (NZ):	:	Eye irritation CAT 2 Haz. to aqua Env.chronic CAT 3
HSNO Approval Number (NZ):	:	HSR002552: Cosmetic Products Group Standard 2020

16. OTHER INFORMATION

Revision Date: 19.08.2024

Key abbreviations or acronyms used

ADG: The Australian Code for the Transport of Dangerous Goods by Road and Rail

NZ LTR: The New Zealand Land Transport Rule: Dangerous Goods 2005

HSNO: Hazardous Substances and New Organisms Act 1996 (New Zealand)

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods

SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons (Australia)

Further information

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