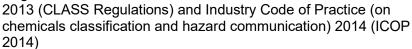
According to Occupational Safety and Health (Classification, Labelling and Safety Data Sheets of Hazardous Chemicals) Regulations





PROF OxyBAC®

Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985

GEN_SOF Number 79817

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : OxyBAC®

Recommended use : Personal care – Hand wash

Importer, Supplier : SC Johnson Professional Sdn Bhd

Suite 20-1, UOA Corporate Tower

The Vertical, 8 Jalan Kerinchi, Bangsar South

Kuala Lumpur 59200

Telephone : +603 22417700

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

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

Labelling

Hazard symbols

According to Occupational Safety and Health (Classification, Labelling and Safety Data Sheets of Hazardous Chemicals) Regulations

2013 (CLASS Regulations) and Industry Code of Practice (on chemicals classification and hazard communication) 2014 (ICOP 2014)



GEN_SOF Number 79817

PROF OxyBAC®

Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985



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.

(P103) Read label before use.

(P101) If medical advice is needed, have product container or label at hand.

(P102) Keep out of reach of children.

(P103) Read label before use.

(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.





2013 (CLASS Regulations) and Industry Code of Practice (on chemicals classification and hazard communication) 2014 (ICOP 2014)

PROF OxyBAC®

Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985

GEN_SOF Number 79817

(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.

Dispose of contents/container in accordance with local regulation.

(P264) Wash hands thoroughly after handling.

(P273) Avoid release to the environment.

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
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

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

4. FIRST AID MEASURES

According to Occupational Safety and Health (Classification, Labelling and Safety Data Sheets of Hazardous Chemicals) Regulations

2013 (CLASS Regulations) and Industry Code of Practice (on chemicals classification and hazard communication) 2014 (ICOP 2014)



PROF OxyBAC®

Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985

GEN_SOF Number 79817

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

5. FIREFIGHTING MEASURES

Suitable extinguishing

media

: Use water spray, alcohol-resistant foam, dry chemical or

carbon dioxide.

Specific hazards during

firefighting

: Container may melt and leak in heat of fire.

Further information: 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 : Wash thoroughly after handling.

Environmental precautions

: Outside of normal use, avoid release to the environment.

4/24

According to Occupational Safety and Health (Classification, Labelling and Safety Data Sheets of Hazardous Chemicals) Regulations

2013 (CLASS Regulations) and Industry Code of Practice (on chemicals classification and hazard communication) 2014 (ICOP 2014)



PROF OxyBAC®

Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985

GEN_SOF Number 79817

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 eyes.

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

Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Non- standard units	Basis
Hydrogen Peroxide	7722-84-1	-	1 ppm	1	ACGIH TWA

Personal protective equipment

According to Occupational Safety and Health (Classification, Labelling and Safety Data Sheets of Hazardous Chemicals) Regulations

2013 (CLASS Regulations) and Industry Code of Practice (on chemicals classification and hazard communication) 2014 (ICOP 2014)



PROF OxyBAC®

Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985

GEN_SOF Number 79817

Respiratory protection : No special requirements.

Hand protection : No special requirements.

Eye protection : Avoid contact with eyes.

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°C - 0°C

Initial boiling point and

boiling range

: > 100°C

Flash point : does not flash

According to Occupational Safety and Health (Classification, Labelling and Safety Data Sheets of Hazardous Chemicals) Regulations

2013 (CLASS Regulations) and Industry Code of Practice (on chemicals classification and hazard communication) 2014 (ICOP 2014)



PROF OxyBAC®

Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985

GEN_SOF Number 79817

Evaporation rate : No data available

Flammability (solid, gas) : Not classified as a flammability hazard

Upper/lower flammability or : Not measured as flashpoint >100 °C

explosive limits

: Not measured as flashpoint >100 °C Vapour pressure

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

According to Occupational Safety and Health (Classification, Labelling and Safety Data Sheets of Hazardous Chemicals) Regulations

2013 (CLASS Regulations) and Industry Code of Practice (on chemicals classification and hazard communication) 2014 (ICOP 2014)



PROF OxyBAC®

Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985

GEN_SOF Number 79817

Volatile Organic : 0 %

Compounds - additional exemptions may apply

Total VOC (wt. %)* *as defined by US Federal and State Consumer Product

Regulations

Other information : None identified

10. STABILITY AND REACTIVITY

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

Hazardous decomposition

products

: Thermal decomposition can lead to release of irritating gases

and vapours.

11. TOXICOLOGICAL INFORMATION

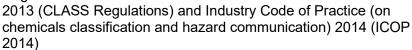
Emergency Overview: Warning

Warning

Acute oral toxicity : LD50 > 5000 mg/kg

8/24

According to Occupational Safety and Health (Classification, Labelling and Safety Data Sheets of Hazardous Chemicals) Regulations





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Version 1.2 Print Date 08/19/2024

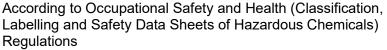
Revision Date 08/19/2024 SDS Number 350000044985

GEN_SOF Number 79817

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 irritation	No classification proposed	-
Eye irritation	Category 2A	-
Skin sensitisation	No classification proposed	-





2013 (CLASS Regulations) and Industry Code of Practice (on chemicals classification and hazard communication) 2014 (ICOP 2014)

PROF OxyBAC®

Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985

GEN_SOF Number 79817

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	No classification proposed	-
exposure	N	
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Target Organs : No data available

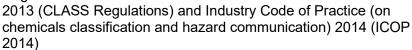
Other information : No data available

Aggravated Medical

Condition

: No data available

According to Occupational Safety and Health (Classification, Labelling and Safety Data Sheets of Hazardous Chemicals) Regulations





PROF OxyBAC®

Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985

GEN_SOF Number 79817

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

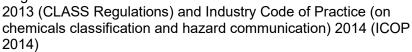
Toxicity

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
1,3-BUTYLENE GLYCOL	semi- static test LC50 Read- across (Analogy) OECD Test Guideline 203 No data available	Oryzias latipes (Orangered killifish) No data available	> 100 mg/l No data available	96 h No data available
	No data available	No data available	No data available	No data available

According to Occupational Safety and Health (Classification, Labelling and Safety Data Sheets of Hazardous Chemicals) Regulations



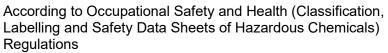


PROF OxyBAC®

Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985

Lauryl Dimethylamine Oxide	LC50	Oncorhynchus mykiss (rainbow trout)	1.26 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	0.42 mg/l	21 d
Hydrogen Peroxide	LC50	Pimephales promelas (fathead minnow)	16.4 mg/l	96 h
	No data available	No data available	No data available	No data available
DECYL DIMETHYL AMINE	semi- static test LC50 Measured OECD Test Guideline 203	Danio rerio (zebra fish)	1.13 mg/l	96 h
	No data available	No data available	No data available	No data available





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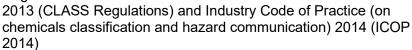
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Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985

N,N- DIMETHYLDODECYLAMINE	static test LC50	Danio rerio (zebra fish)	0.71 - 1 mg/l	96 h
	No data available	No data available	No data available	No data available
DIMETHYL(TETRADECYL)AM INE	LC50 Measured	Danio rerio (zebra fish)	0.35 mg/l	96 h
	No data available	No data available	No data available	No data available
Dimethyl Palmitamine	semi- static test LC50 Measured OECD Test Guideline 203	Danio rerio (zebra fish)	0.256 mg/l	96 h

According to Occupational Safety and Health (Classification, Labelling and Safety Data Sheets of Hazardous Chemicals) Regulations





PROF OxyBAC®

Version 1.2 Print Date 08/19/2024

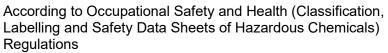
Revision Date 08/19/2024 SDS Number 350000044985

GEN_SOF Number 79817

	No data available	No data available	No data available	No data available
Glycerin	LC50	Oncorhynchus mykiss (rainbow trout)	51,000 - 57,000 mg/l	96 h
	No data available	No data available	No data available	No data available

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
1,3-BUTYLENE GLYCOL	static test EC50 Read- across (Analogy) OECD Test Guideline 202 No data available	Daphnia (water flea) No data available	> 1,000 mg/l No data available	48 h No data available





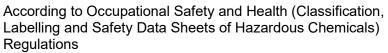
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PROF OxyBAC®

Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985

	No data available	No data available	No data available	No data available
Lauryl Dimethylamine Oxide	EC50	Daphnia magna (Water flea)	1.01 mg/l	48 h
	NOEC	Daphnia magna	0.7 mg/l	21 d
Hydrogen Peroxide	semi- static test LC50	Daphnia pulex (Water flea)	2.4 mg/l	48 h
	No data available	No data available	No data available	No data available
DECYL DIMETHYL AMINE	semi- static EC50 Measured OECD Test Guideline 202	Daphnia magna (Water flea)	0.926 mg/l	48 h





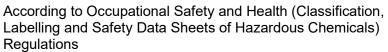
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Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985

	NOEC Read- across (Analogy) OECD Guideline 211 (Daphnia magna Reproduct ion Test)	Daphnia magna	0.036 mg/l	21 d
N,N- DIMETHYLDODECYLAMINE	No data available	No data available	No data available	No data available
	No data available	No data available	No data available	No data available
DIMETHYL(TETRADECYL)AM INE	EC50 Measured OECD Test Guideline 202	Daphnia magna (Water flea)	0.51 mg/l	48 h





GEN_SOF Number 79817

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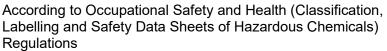
PROF OxyBAC®

Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985

	No data available	No data available	No data available	No data available
Dimethyl Palmitamine	semi- static test EC50 Measured OECD Test Guideline 202	Daphnia magna (Water flea)	0.0665 mg/l	48 h
	static test EC50 Read- across (Analogy) OECD Guideline 211 (Daphnia magna Reproduct ion Test)	Daphnia magna (Water flea)	0.31 mg/l	21 d

17/24





2013 (CLASS Regulations) and Industry Code of Practice (on chemicals classification and hazard communication) 2014 (ICOP 2014)

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Version 1.2 Print Date 08/19/2024

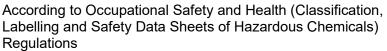
Revision Date 08/19/2024 SDS Number 350000044985

GEN_SOF Number 79817

Glycerin	LC50	Daphnia magna (Water flea)	1,955 mg/l	48 h
	No data available	No data available	No data available	No data available

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
1,3-BUTYLENE GLYCOL	No data available	No data available	No data available	No data available
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 OECD Test Guideline 201	Desmodesmus subspicatus (green algae)	0.0268 mg/l	72 h





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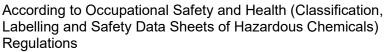
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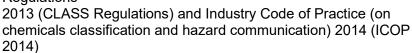
Revision Date 08/19/2024 SDS Number 350000044985

GEN_SOF Number 79817

N,N- DIMETHYLDODECYLAMINE	static test EC50 Measured OECD Test Guideline 201	Desmodesmus subspicatus (green algae)	0.0099 mg/l	72 h
DIMETHYL(TETRADECYL)AM INE	EC50	Desmodesmus subspicatus (green algae)	0.0141 mg/l	72 h
Dimethyl Palmitamine	static test EC50 Measured OECD Test Guideline 201	Desmodesmus subspicatus (green algae)	0.0099 mg/l	72 h
Glycerin	EC10	Microcystis aeruginosa (blue-green algae)	2,900 mg/l	168 h

Persistence and degradability







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Version 1.2 Print Date 08/19/2024

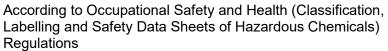
Revision Date 08/19/2024 SDS Number 350000044985

GEN_SOF Number 79817

Component	Biodegradation	Exposure time	Summary
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)AM INE	71 %	28 d	Readily biodegradable.
Dimethyl Palmitamine	70 %	42 d	Not readily biodegradable.
Glycerin	94 %	24 h	Readily biodegradable.

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n- Octanol/water (log)
1,3-BUTYLENE GLYCOL	No data available	No data available
Lauryl Dimethylamine Oxide	252.2 estimated	< 2.7
Hydrogen Peroxide	No data available	-1.57
DECYL DIMETHYL AMINE	No data available	4.3 Calculated





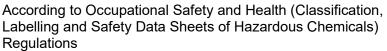
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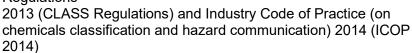
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Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985

N,N-DIMETHYLDODECYLAMINE	275.3	5.47
BIWLTTTLEBOBLOTLAWIIVE		
DIMETHYL(TETRADECYL)AM INE	No data available	4.5 Calculated
Dimethyl Palmitamine	No data available	4.6
Glycerin	0.89 estimated	-1.76







PROF OxyBAC®

Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985

GEN_SOF Number 79817

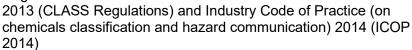
Mobility

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

PBT and vPvB assessment

Component	Results
-----------	---------

According to Occupational Safety and Health (Classification, Labelling and Safety Data Sheets of Hazardous Chemicals) Regulations





PROF OxyBAC®

Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985

GEN_SOF Number 79817

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)AM INE	Not fulfilling PBT and vPvB criteria
Dimethyl Palmitamine	Not fulfilling PBT and vPvB criteria
Glycerin	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

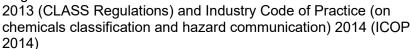
Land transport

Not classified as dangerous in the meaning of transport regulations.

Sea transport

23/24







PROF OxyBAC®

Version 1.2 Print Date 08/19/2024

Revision Date 08/19/2024 SDS Number 350000044985

GEN_SOF Number 79817

Not classified as dangerous in the meaning of transport regulations.

Air transport

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

16. OTHER INFORMATION

Safety Data Sheets (SDS) are intended to provide workers and emergency personnel with the proper procedures for handling or working with products. The information is intended to address handling of our products in occupational environments in accordance with country and region specific regulatory requirements under the Global Harmonization System of Classification and Labeling of chemicals and mixtures. These SDSs are not applicable to consumer use of our products.

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by	SC Johnson Global Safety Assessment &
1	Regulatory Affairs (GSARA)