

SECTION 1: Identification of the hazardous chemical and of the supplier

1.1 Product identifier

Product name : BIO PLUS[®] Concentrate Multi-Purpose Biological Cleaner and Deodorizer
 Product form : Mixture
 Type of product : Detergent
 Product code : BP2550; BP2560 #2

1.2 Other means of identification

No additional information available

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

Recommended use : Detergent

1.4 Supplier's details

Manufacturer:

Calfarme (Singapore) Pte Ltd
 AMK TechLink

20 Ang Mo Kio Industrial Park 2A 06-18
 Singapore 567761

Email: sales@calfarme.com.sg Web: www.calfarme.com.sg

Telephone: +65 6556 4111

Distributor:

Calfarme Products Sdn Bhd
 45 & 47 Jalan Tabla 33/21

Shah Alam Technology Park
 Seksyen 33, 40400 Shah Alam
 Selangor Darul Ehsan Malaysia

Email: sales@calfarme.com.my Web: www.calfarme.com.my

Telephone: +60 3 5122 2700

Calfarme Australia Pty Ltd

P.O Box 678, Kingsgrove NSW 1480
 Unit 4/238 Berkeley Street, Unanderra NSW 2526
 Tel: 1300 649088

Email: sales@calfarme.com.au Web: www.calfarme.com.au

Telephone: +61 (2) 9153 0677

1.5. Emergency phone number

Emergency number : +65 6556 4111 (Office Hours Monday - Friday)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

6.3B
 8.3A

Flammable liquids Not classified
 Skin corrosion/irritation, Category 3
 Serious eye damage/eye irritation, Category 1

2.2. Label elements

GHS NZ labelling

Hazard pictograms (GHS NZ) :



GHS05

Signal word (GHS NZ) :

Danger

Contains :

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (1 - 10 %) ; D-Glucopyranose, oligomeric, decyl octyl glycosides (1 - 10 %)

Hazard statements (GHS NZ) :

H316 - Causes mild skin irritation
 H318 - Causes serious eye damage.

BIO PLUS® Concentrate Multi-Purpose Biological Cleaner and Deodorizer

Safety Data Sheet

Prevention	: P280 - Wear protective gloves, protective clothing, eye protection, face protection.
Response	: P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER/doctor P332+P313 - If skin irritation occurs: Get medical advice/attention.
Disposal	: P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards not contributing to the classification

No additional information available

SECTION 3: Composition and information of the ingredients of the hazardous chemical

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to GHS NZ
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	(CAS-No.) 110615-47-9	1 - 10	6.3A: Skin Irrit. 2, H315 8.3A: Eye Dam. 1, H318
D-Glucopyranose, oligomeric, decyl octyl glycosides	(CAS-No.) 68515-73-1	1 - 10	8.3A: Eye Dam. 1, H318 9.1D: Aquatic Acute 3, H402

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention.

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

Symptoms/effects : Causes serious eye damage.
Symptoms/effects after inhalation : May cause respiratory irritation.
Symptoms/effects after skin contact : Causes skin irritation.
Symptoms/effects after ingestion : May cause irritation to the digestive tract.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

No additional information available

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.
Explosion hazard : Product is not explosive.
General measures : Avoid contact with skin and eyes. Do not attempt to take action without suitable protective equipment.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes. Do not attempt to take action without suitable protective equipment.

6.1.1. For non-emergency personnel

Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

For containment : Absorb spillage.

BIO PLUS® Concentrate Multi-Purpose Biological Cleaner and Deodorizer

Safety Data Sheet

SECTION 7: Handling and storage, including how the chemical may be safely used

7.1. Precautions for safe handling

No additional information available

7.2. Conditions for safe storage, including any incompatibilities

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

Exposure limit values for the other components

No additional information available

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

No additional information available

8.4. Individual protection measures, such as personal protective equipment (PPE)

No additional information available

SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Colour	: Blue
Odour	: characteristic
Odour threshold	: No data available
pH	: 7 - 8
Evaporation rate	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
	: No data available
Boiling point	: No data available
Flash point	: > 100 °C
Auto-ignition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: No data available
Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Explosive limits	: No data available
Minimum ignition energy	: No data available

SECTION 10: Stability and reactivity

No data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

D-Glucopyranose, oligomeric, decyl octyl glycosides (68515-73-1)

LD50 oral	> 2000 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight

BIO PLUS® Concentrate Multi-Purpose Biological Cleaner and Deodorizer

Safety Data Sheet

Skin corrosion/irritation	: Causes mild skin irritation. pH: 7 - 8
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

BIO PLUS® Concentrate Multi-Purpose Biological Cleaner and Deodorizer

Viscosity, kinematic	
----------------------	--

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
Soil toxicity	: Not classified
Terrestrial vertebrate toxicity	: Not classified
Terrestrial invertebrate toxicity	: Not classified

D-Glucopyranose, oligomeric, decyl octyl glycosides (68515-73-1)

LC50 fish 1	126 mg/l
EC50 other aquatic organisms 1	> 100 mg/l waterflea
EC50 other aquatic organisms 2	27.2 mg/l

12.2. Persistence and degradability

BIO PLUS® Concentrate Multi-Purpose Biological Cleaner and Deodorizer

Persistence and degradability	Biodegradable.
-------------------------------	----------------

12.3. Bioaccumulative potential

BIO PLUS® Concentrate Multi-Purpose Biological Cleaner and Deodorizer

Bioaccumulative potential	No additional information available
---------------------------	-------------------------------------

12.4. Mobility in soil

BIO PLUS® Concentrate Multi-Purpose Biological Cleaner and Deodorizer

Mobility in soil	No additional information available
------------------	-------------------------------------

12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

SECTION 13: Disposal considerations

Ecology - waste materials	: Readily biodegradable.
---------------------------	--------------------------

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. Proper Shipping Name

Proper Shipping Name (UN RTDG)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

14.3. Transport hazard class(es)

UN RTDG

Transport hazard class(es) (UN RTDG)	: Not applicable
--------------------------------------	------------------

IMDG

Transport hazard class(es) (IMDG)	: Not applicable
-----------------------------------	------------------

IATA

BIO PLUS® Concentrate Multi-Purpose Biological Cleaner and Deodorizer

Safety Data Sheet

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (UN RTDG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : False
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

UN RTDG

No data available

IMDG

No data available

IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

14.8. Hazchem or Emergency Action Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health, and environmental national regulations specific for the product

D-Glucopyranose, oligomeric, decyl octyl glycosides (68515-73-1)

Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR003148

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Date of issue : 26/02/2019

Full text of H-statements:

6.3A: Skin Irrit. 2	6.3A: Skin corrosion/irritation, Category 2
6.3B: Skin Irrit. 3	6.3B: Skin corrosion/irritation, Category 3
8.3A: Eye Dam. 1	8.3A: Serious eye damage/eye irritation, Category 1
9.1D: Aquatic Acute 3	9.1D: Hazardous to the aquatic environment — Acute Hazard, Category 3
Flam. Liq. Not classified	Flammable liquids Not classified
H315	Causes skin irritation.
H316	Causes mild skin irritation
H318	Causes serious eye damage.
H402	Harmful to aquatic life

SDS New Zealand

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product