

Material Safety Data Sheet

[NOHSC:2011(2003)]

Printing date: 19.07.2010

Revision: 19.07.2010

1. Identification of material and supplier

Product details:

Trade name: **BIOPLUS Multi-Purpose Biological Cleaner and Deodoriser**

Recommended use: Cleaning agent / Cleaner

Manufacturer:

Calfarme (Singapore) Pte Ltd
AMK Techlink
20 Ang Mo Kio Industrial Park 2A 06-18
Singapore 567761
Republic of Singapore

Telephone: +65 6556 4111

Supplier:

Calfarme Australia Pty Ltd
Unit 42
55 Norman Street
Peakhurst NSW2210
Australia

Telephone: +61 (2) 9153 0677

E-mail address of the competent person responsible for the Safety Data Sheet: sales@calfarme.com.au

Emergency information:

Emergency Number: +61 (2) 9153 0677 (Monday – Friday 9am - 5pm Australian EST)

As above or a Poisons Information Centre (Australia 13 1126; New Zealand 0800 764 766)

2. Hazards identification

Hazards Identification

NON HAZARDOUS SUBSTANCE.
NON DANGEROUS GOODS.

Classification system

Hazard classification according to the criteria of NOHSC [NOHSC:1008(2004)].
Dangerous goods classification according to the Australia Dangerous Goods Code.

3. Composition/information on ingredients

Chemical characterization

Description: Mixture of the substances listed below with nonhazardous additions.

Components:			
CAS: 68585-34-2	(C10-C16) Alcohol ethoxylate, sulfated, sodium salt	Xi; R 36/38	10 – 20 %
CAS: 67-63-0	Propan-2-ol	Xi, F; R 11-36-67	< 5 %

4. First aid measures

General information:

First aid is not generally required. If in doubt, contact a Poisons Information Centre (Phone 13 1126) or a doctor.

After inhalation:

Keep patient calm, remove to fresh air. Seek medical attention.

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After skin contact:

Seek medical advice if skin is contaminated by large quantities of chemical. Immediately remove all contaminated clothing and footwear. Wash the skin thoroughly with soap and water.

After eye contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Seek medical attention..

After swallowing:

If swallowed, DO NOT induce vomiting. Keep at rest and give a glass of water. Seek medical attention.

Advice to Doctor

Treat according to symptoms

5. Fire fighting measures

Suitable extinguishing agents : Water fog or fine spray mist (large fires); foam, carbon dioxide, dry chemical powder

For safety reasons unsuitable extinguishing agents : None known

Special hazards caused by the material, its products of combustion or flue gases:

Can be released in case of fire:

Nitrogen oxides (NO_x), Carbon monoxide (CO) and Carbon dioxide (CO₂)

Protective equipment: Wear self-contained breathing apparatus. Wear full protective suit.

6. Accidental release measures

Emergency Procedures

Prevent product and extinguishing media from escaping to drains and waterways. Contain leaking packaging in a containment drum. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

Methods and Materials for Containment and Clean Up

Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified. Do not allow product to reach drains, sewers or waterways. Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

7. Handling and storage

Handling

Information for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Observe standard handling precautions for handling chemicals.

Open and handle container with care.

Make sure that all applicable workplace limits are observed.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Do not spray on flames or red-hot objects.

Storage

Requirements to be met by storerooms and containers:

Store in cool location.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidizers.

Do not store together with strong acids.

Do not store together with alkalis (caustic solutions).

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Further information about storage conditions:

Keep container tightly sealed.
Store in cool, dry conditions in well sealed containers.
Store container in a well ventilated position.
Protect from frost.

8. Exposure controls / personal protection

National Exposure Standards

No exposure standard has been established for this product by the Australian National Occupational Health and Safety Commission (NOHSC).

Components with critical values that require monitoring at the workplace:

CAS : 67-63-0 Propan-2-ol : 400 ppm (TWA); 983 mg/m³ (TWA)
500 ppm (STEL); 1230 mg/m³ (STEL)

Personal protective equipment

General protective and hygienic measures

Keep away from foodstuffs, beverages and food.
Do not eat, drink or smoke while working.
Instantly remove any contaminated garments.
Do not carry cleaning cloths impregnated with the product in trouser pockets.
Avoid contact with the eyes and skin.
Do not inhale gases / fumes / aerosols.
Wash hands during breaks and at the end of the work.
Use skin protection cream for preventive skin protection.

Breathing equipment:

If all workplace limits are observed and good ventilation is ensured, no special precautions necessary.

Protection of hands:

Protective gloves
To avoid skin problems reduce the wearing of gloves to the required minimum.
Check the permeability prior to each renewed use of the glove.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

Protective gloves should be replaced at first signs of wear.
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Penetration time: \geq 8 hours

Eye protection: Tightly sealed safety glasses

Body protection:

Protective work clothing
Protective clothing should be selected specifically for the working place.

9. Physical and chemical properties

Form: liquid
Colour: blue
Smell: perfumed

Change in condition

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Melting point/Melting range: Not determined

Boiling point/Boiling range: Not determined

Flash point: Not determined

Self-inflammability: Product is not selfigniting.

Danger of explosion: Product is not explosive.

Density: 1.0 g/cm³

Solubility in / Miscibility with

Water: miscible

pH-value (10 g/l) at 25°C: 8.0

Organic solvents: 10.0 %

Water: 49.1 %

Solids content: 0.9 %

10. Stability and reactivity

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

Avoid impact, friction, heat, sparks, electrostatic charges.

Materials to be avoided:

Strong oxidizing agents

Strong acids

Alkaline materials

Dangerous reactions

None known.

Dangerous products of decomposition:

Nitrogen oxides (NO_x), Carbon monoxide (CO) and Carbon dioxide (CO₂)

11. Toxicological information

Acute toxicity:

LD/LC50 values that are relevant for classification:

CAS : 67-63-0 Propan-2-ol :

IVN RAT LD50 : 1,088 mg/kg

ORL MUS LD50 : 3,600 mg/kg

ORL RAT LD50 : 5,045 mg/kg

SCU MUS LDLO : 6 gm/kg

Swallowed

Ingestion may cause nausea, headaches, vomiting, abdominal distress and will have an irritating effect on the stomach.

Eye

May cause irritation, symptoms including redness, itching and pain.

Skin

May cause irritation, symptoms including redness, itching and pain.

Inhaled

Inhalation of dust may result in respiratory irritation.

Sensitization:

No sensitizing effect known.

12. Ecological information

Information about elimination (persistence and degradability):

Other information:

Biodegradability 72% in 28 days

The product is easily biodegradable.

Ecotoxic effects:

Remark: Harmful to fish

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13. Disposal considerations

Product:

Recommendation Disposal must be made according to official regulations.

European waste catalogue:

Waste disposal key numbers from EWC have to be assigned depending on origin and processing.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14. Transport information

Land transport ADG:

ADG Class: n/a

Maritime transport IMDG-Code:

IMDG Class: n/a

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: n/a

Transport/Additional information: Not dangerous according to the above specifications.

15. Regulatory information

Poisons Schedule

Not a scheduled poison (Standard for the Uniform Scheduling of Drugs and Poisons No. 23)

16. Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases:

The(se) R-phrase(s) are those of the ingredient(s) and do(es) not necessarily represent the classification of the preparation.

11 Highly flammable.

36 Irritating to eyes.

36/38 Irritating to eyes and skin.

37 Irritating to respiratory system.

Department issuing MSDS:

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3895 South Gippsland Hwy
Foster, VIC, 3960
Australia

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eMail: info@add-chem.com

Sources: These data are based on information submitted by pre-suppliers.