

Material Safety Data Sheet

[NOHSC:2011(2003)]

Printing date: 01.08.2010

Revision: 01.08.2010

1. Identification of material and supplier

Product details:

Trade name: SANIBIN GEL – Bio-organic Odors Neutralizer/Insect Repellent

Recommended use: Sanitary Bin / Air Freshener

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

HAZARDOUS SUBSTANCE.

DANGEROUS GOODS.



Xn Harmful
N Dangerous for the environment

Risk Phrases

10 Flammable.

38 Irritating to skin.

42/43 May cause sensitisation by inhalation and skin contact.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

Safety Phrases

23 Do not breathe fumes/aerosol.

24/25 Avoid contact with skin and eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

37 Wear suitable gloves.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

57 Use appropriate container to avoid environmental contamination.

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Classification system

Hazard classification according to the criteria of NOHSC [NOHSC:1008(2004)].

Dangerous goods classification according to the Australia Dangerous Goods Code.

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3. Composition/information on ingredients

Chemical characterization

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

Components:			
CAS: 5989-27-5	D-Limonene	Xi, N; R 10-38-43-50/53	10-25%
CAS: 8000-29-1	Citronella oil	Xn; R 53-65	10-25%
CAS: 9001-92-7	Proteinase	Xn, Xi; R 36/37/38-42	2,5-10%
CAS: 123-92-2	Isopentyl acetate	R 10-66	2,5-10%
CAS: 9003-01-4	Poly acrylic acid	Xi; R 36/37/38	< 2,5%
CAS: 5329-40-5	Citral	Xi; R 38-43	< 2,5%
CAS: 123-86-4	n-Butyl acetate	R 10-66-67	< 2,5%
CAS: 89-83-8	Thymol	C, Xn, N; R 22-34-51/53	< 2,5%

Additional information For the wording of the listed risk phrases refer to section 16.

4. First aid measures

General information:

Remove contaminated clothing.

Personal protection for the person providing first aid.

Take affected persons out of danger area and instruct to lie down.

After inhalation:

Supply fresh air and call for doctor for safety reasons.

In case of unconsciousness bring patient into stable side position for transport.

After skin contact:

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult doctor.

Remove contact lenses, if present and easy to do. Continue rinsing.

After swallowing:

Do not induce vomiting - Danger of chemical pneumonia.

Rinse out mouth and then drink plenty of water.

Call a doctor immediately.

Information for doctor:

Danger: Danger of pneumonia.

5. Fire fighting measures

Suitable extinguishing agents

Carbon dioxide (CO₂), extinguishing powder or water spray/fog. Fight larger fires with water spray/fog or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents Water with a full water jet.

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

Can be released in case of fire:

Carbon monoxide (CO) and Carbon dioxide (CO₂)

Can form explosive vapour-air mixtures.

Under certain fire conditions, traces of other toxic gases cannot be excluded.

Protective equipment: Wear self-contained breathing apparatus.

Additional information

Cool endangered containers with water spray jet.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Hazchem Code

Not regulated.

6. Accidental release measures

Person-related safety precautions:

Wear protective clothing and keep away unprotected persons.

Ensure adequate ventilation.

Avoid skin and eye contact.

Do not breathe vapours.

Remove all ignition sources.

Measures for environmental protection:

Do not allow to enter drainage system, surface or ground water.

Inform respective authorities in case product reaches water or sewage system.

Dilute with much water.

Prevent material from reaching sewage system, holes and cellars.

Measures for cleaning/collecting:

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Send for recovery or disposal in suitable containers.

Dispose of the material collected according to regulations.

7. Handling and storage

Handling

Information for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Keep away from heat and direct sunlight.

Open and handle container with care.

Prevent formation of aerosols.

Do not inhale vapours/aerosols.

Avoid skin and eye contact under any circumstances.

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:

Observe regulations for storage of flammable liquids.

Observe all local and national regulations for storage of water polluting products.

Information about storage in one common storage facility:

Observe regulations for storage of flammable liquids.

Store away from foodstuffs.

Store away from oxidizers.

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Further information about storage conditions:

Store in cool, dry conditions in well sealed containers.

Store container in a well ventilated position.

Store only in the original container.

Store in a locked cabinet or with access restricted to specifically instructed persons.

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:

Components with critical values that require monitoring at the workplace:

CAS : 123-92-2 Isopentyl acetate : 50 ppm (TWA); 270 mg/m³ (TWA)
100 ppm (STEL); 541 mg/m³ (STEL)

CAS : 123-86-4 n-Butyl acetate : 150 ppm (TWA); 713 mg/m³ (TWA)
200 ppm (STEL); 950 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.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Wash hands during breaks and at the end of the work.

Use skin protection cream for preventive skin protection.

Breathing equipment: Use breathing protection in case of insufficient ventilation.

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.

Eye protection: Tightly sealed safety glasses

Body protection:

Protective work clothing

Protective clothing should be selected specifically for the working place.

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Ecotoxicological effects:

Aquatic toxicity:

CAS : 5989-27-5 D-Limonene	EC50/48 h	0.48 mg/l (water flea (daphnia magna))
	LC50/96 h	0.70 mg/l (Fathead minnow (Pimephales promelas))

Remark: Toxic for fish.

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: 3 (F1) Flammable liquids.

Kemler Number: 30

UN-Number: 1169

Packaging group: III

Label: 3

Special marking: Symbol (fish and tree)

Designation of goods: 1169 EXTRACTS, AROMATIC, LIQUID, Special provision 640E

Excepted quantities (EQ): E1

Limited quantities (LQ): LQ7

Transport category: 3

Tunnel restriction code: D/E

Maritime transport IMDG-Code:

IMDG Class: 3

UN Number: 1169

Label: 3

Packaging group: III

EMS Number: F-E,S-D

Marine pollutant: YES

Symbol (fish and tree)

Correct technical name: EXTRACTS, AROMATIC, LIQUID

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 3

UN/ID Number: 1169

Label: 3

Packaging group: III

Correct technical name: EXTRACTS, AROMATIC, LIQUID

15. Regulatory information

Poisons Schedule

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

Decree to be applied in case of technical fault:

Quantity limits according to "EC Seveso directive" should be observed.

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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.

10 Flammable.

22 Harmful if swallowed.

34 Causes burns.

36/37/38 Irritating to eyes, respiratory system and skin.

38 Irritating to skin.

42 May cause sensitisation by inhalation.

43 May cause sensitisation by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

53 May cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

Department issuing MSDS:

Calfarme (Australia) Pty Ltd

Unit 42,55 Norman Street

Peakhurst, NSW, 2210

Australia

Phone: +61 (2) 9153 0677

eMail: msds@calfarme.com.au

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

Abbreviations and acronyms:

ADG: Australian Dangerous Goods Code

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent