

# Material Safety Data Sheet

[NOHSC:2011(2003)]

Printing date: 12.09.2010

Revision: 12.09.2010

## 1. Identification of material and supplier

### Product details:

**Trade name:** FRESHMATE ORGANIC AIR FRESHENER - Mountain Fresh

**Recommended use:** 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.



Xi Irritant

### Risk Phrases

R10 Flammable.

R43 May cause sensitisation by skin contact.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R66 Repeated exposure may cause skin dryness or cracking.

### Safety Phrases

S23 Do not breathe fumes/aerosol.

S24 Avoid contact with skin.

S36/37 Wear suitable protective clothing and gloves.

S43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.

S61 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.

<b>Components:</b>			
CAS: 123-92-2	Isopentyl acetate	R 10-66	25 - 50%
CAS: 32210-23-4	4-tert-butylcyclohexyl acetate	N; R 51/53	10 - 25%
CAS: 91-64-5	Coumarin	Xn, Xi; R 22-43	2.5 - 10%
CAS: 106-22-9	Citronellol	Xi, N; R 38-43-51/53	2.5 - 10%
CAS: 61791-34-2	Onium compounds, morpholinium, 4-ethyl-4-soya alkyl, Et sulfates	Xn, Xi; R 22-36/38	2.5 - 10%

**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.

### 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.

After prolonged skin contact defatting of skin possible, use skin protecting agent after prolonged skin contact.

If skin irritation continues, consult a doctor.

### After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

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

### After swallowing:

Do not induce vomiting!

Rinse out mouth and then drink plenty of water.

In case of persistent symptoms consult doctor.

## 5. Fire fighting measures

**Suitable extinguishing agents :** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

**For safety reasons unsuitable extinguishing agents :** Water

**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 (CO<sub>2</sub>)

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.

Wear full protective suit.

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## 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.

Avoid contact with skin and eyes.

Do not breathe vapours.

Ensure adequate ventilation.

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.

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.

Do not flush with water or aqueous cleansing agents.

## 7. Handling and storage

### Handling

#### Information for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Open and handle container with care.

Avoid prolonged or repeated skin contact.

The usual precautionary measures should be adhered to in handling the chemicals.

Keep away humidity and water.

Prevent formation of aerosols.

Do not inhale vapours/aerosols.

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.

Use explosion-proof apparatus / fittings and spark-proof tools.

Protect from heat and direct sunlight.

### 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.

#### Further information about storage conditions:

Store in cool, dry conditions in well sealed containers.

Store container in a well ventilated position.

Keep container tightly sealed.

Store only in the original container.

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

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## 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 : 123-92-2 Isopentyl acetate :** 50 ppm (TWA); 270 mg/m<sup>3</sup> (TWA)  
100 ppm (STEL); 541 mg/m<sup>3</sup> (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.

**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:** oily

**Colour:** yellow

**Smell:** perfumed

### Change in condition

**Melting point/Melting range:** not determined

**Boiling point/Boiling range:** no data available

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**Flash point:** 55°C  
**Self-inflammability:** Product is not selfigniting.  
**Danger of explosion:** no data available  
**Density:** not determined  
**Solubility in / Miscibility with**  
**Water:** no data available

## 10. Stability and reactivity

### Thermal decomposition / conditions to be avoided:

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

**Materials to be avoided:** Strong oxidizing agents

**Dangerous reactions** No dangerous reactions known.

### Dangerous products of decomposition:

Carbon monoxide (CO) and Carbon dioxide (CO<sub>2</sub>)

## 11. Toxicological information

### Acute toxicity:

#### LD/LC50 values that are relevant for classification:

CAS 32210-23-4 4-tert-butylcyclohexyl acetate Oral LD50 : 5,000 mg/kg (rat)

CAS 106-22-9 Citronellol Oral LD50 : 3,450 mg/kg (rat)

Dermal LD50 : 2,650 mg/kg (rabbit)

### Primary irritant effect:

**on the skin:** Long or repeated contact can defat skin and may cause dermatitis.

**on the eye:** Short time, reversible irritating effect.

**Other information (about experimental toxicology):** no data available

### Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Sensitising

**Sensitisation** May cause sensitisation by skin contact.

## 12. Ecological information

### Information about elimination (persistence and degradability):

**Degree of elimination:** no data available

**Behaviour in environmental systems:**

**Mobility and bioaccumulation potential:** no data available

### Ecotoxicological effects:

#### Aquatic toxicity:

CAS 106-22-9 Citronellol EC50/48 h : 17 mg/l (daphnia)

EC50/72 h : 2.4 mg/l (algae)

**Remark:** Harmful for fish.

### Additional ecological information:

#### General notes:

Do not allow product to reach ground water, water bodies or sewage system.

Harmful to aquatic organisms

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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:** 3 (F1) Flammable liquids.

**Kemler Number:** 30

**UN-Number:** 1169

**Packaging group:** III

**Label:** 3

**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

**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)

## 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.

36/38 Irritating to eyes and skin.

38 Irritating to skin.

43 May cause sensitisation by skin contact.

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

66 Repeated exposure may cause skin dryness or cracking.

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## Department issuing MSDS:

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Peakhurst, NSW, 2210  
Australia

Phone: +61 (2) 9153 0677  
eMail: [msds@calfarne.com.au](mailto:msds@calfarne.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**