

# 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: **FRESHMATE ORGANIC AIR FRESHENER - Mountain Melon**

**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  
N Dangerous for the environment

### Risk Phrases

R 38 Irritating to skin.

R 43 May cause sensitisation by skin contact.

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

### Safety Phrases

23 Do not breathe fumes/aerosol.

24 Avoid contact with skin.

36 Wear suitable protective clothing.

57 Use appropriate container to avoid environmental contamination.

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

62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

### Classification system

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

Dangerous goods classification according to the Australia Dangerous Goods Code.

# Material Safety Data Sheet

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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: 8028-48-6	Orange, sweet, extract	Xn, Xi, N; R 10-38-50/53-65	2.5 – 10 %
CAS: 88-41-5	2-tert-Butylcyclohexyl acetate	Xi, N; R 38-51/53	2.5 – 10 %
CAS: 101-86-0	.alpha.-Hexylcinnamaldehyde	Xi; R 43	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 %
CAS: 151-05-3	.alpha.,.alpha.-dimethylphenethyl acetate	R 52/53	2.5 – 10 %
CAS: 32210-23-4	4-tert-butylcyclohexyl acetate	N; R 51/53	2.5 – 10 %
CAS: 103-95-7	Cyclamen aldehyde	Xi, N; R 38-51/53	2.5 – 10 %
CAS: 77-83-8	Ethyl 2,3-epoxy-3-phenylbutyrate	R 52/53	2.5 – 10 %
CAS: 5146-66-7	3,7-Dimethylocta-2,6-dienenitrile	R 52/53	2.5 – 10 %
CAS: 18871-14-2	Tetrahydro-3-pentyl-2H-pyran-4-yl acetate	R 52/53	2.5 – 10 %
CAS: 68956-56-9	Hydrocarbons, terpene processing by-products	Xn, Xi; R 10-38-65	< 2.5 %
CAS: 122-40-7	Amyl cinnamal	Xi, N; R 43-51/53	< 2.5 %
CAS: 1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	N; R 50/53	< 2.5 %
CAS: 93-18-5	Ethyl 2-naphtyl ether [beta-Naphtyl ethyl ether]	N; R 51/53	< 2.5 %
CAS: 123-68-2	Allyl hexanoate	Xn, Xi, N; R 21/22-38-51/53	< 2.5 %
CAS: 79-77-6	(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one	N; R 51/53	< 2.5 %
CAS: 127-91-3	pin-2(10)-ene	Xn, Xi, N; R 10-38-50/53-65	< 2.5 %

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## 4. First aid measures

### General information:

Remove contaminated clothing.

Take affected persons into the open air.

### 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.

Call a doctor immediately.

### After swallowing:

Do not induce vomiting!

Rinse out mouth and then drink plenty of water.

If swallowed, seek medical advice immediately and show this container or label.

## 5. Fire fighting measures

### Suitable extinguishing agents

Carbon dioxide (CO<sub>2</sub>), 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.

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

Can be released in case of fire:

Nitrogen oxides (NO<sub>x</sub>); Carbon monoxide (CO) and Carbon dioxide (CO<sub>2</sub>)

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.

If without risk possible, move drums with material away from dangerous area.

### 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.

### 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.

# Material Safety Data Sheet

[NOHSC:2011(2003)]

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## 7. Handling and storage

### Handling

#### Information for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid skin and eye contact.

Do not inhale vapours/aerosols.

**Information about protection against explosions and fires:** No special measures required.

### Storage

#### Requirements to be met by storerooms and containers:

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

**Information about storage in one common storage facility:** Store away from foodstuffs.

#### 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.

## 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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### 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 close or long term contact with the skin.

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

Use skin protection cream for preventive skin protection.

#### Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

#### 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.

# Material Safety Data Sheet

[NOHSC:2011(2003)]

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Revision: 19.07.2010

## 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:** 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:** ~ 100°C

**Flash point:** not applicable

**Self-inflammability:** Product is not selfigniting.

**Danger of explosion:** Product is not explosive.

**Density:** not determined

### Solubility in / Miscibility with

**Water:** soluble

**pH-value at 20°C:** 7.8

### Viscosity:

**dynamic at 20°C:** viskos

## 10. Stability and reactivity

### Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

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

**Dangerous reactions** No dangerous reactions known.

### Dangerous products of decomposition:

Nitrogen oxides (NO<sub>x</sub>); Carbon monoxide (CO) and Carbon dioxide (CO<sub>2</sub>)

## 11. Toxicological information

### Acute toxicity:

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

**CAS 68647-72-3 Orange oil terpenes :** Oral LD50 : > 4,400 mg/kg (rat)

Dermal LD50 : > 2,000 mg/kg (rabbit)

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

### Primary irritant effect:

**on the skin:** Irritant for skin and mucous membranes.

**on the eye:** Mildly irritating

### 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:

Irritant

Sensitising

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

# Material Safety Data Sheet

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## 12. Ecological information

### Ecotoxicological effects:

**Remark:** Toxic for fish.

### Additional ecological information:

### General notes:

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

## 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.

**Recommended cleaning agent:** Water, if necessary with cleaning agent.

## 14. Transport information

### Land transport ADG:

**ADG Class:** 9 (M6) Miscellaneous dangerous substances and articles.

**Kemler Number:** 90

**UN-Number:** 3082

**Packaging group:** III

**Label:** 9

**Special marking:** Symbol (fish and tree)

**Designation of goods:** UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

**Limited quantities (LQ):** LQ7

**Transport category:** 3

**Tunnel restriction code:** E

### Maritime transport IMDG-Code:

**IMDG Class:** 9

**UN Number:** 3082

**Label:** 9

**Packaging group:** III

**EMS Number:** F-A,S-F

**Marine pollutant:** YES; Symbol (fish and tree)

**Correct technical name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

### Air transport ICAO-TI and IATA-DGR:

**ICAO/IATA Class:** 9

**UN/ID Number:** 3082

**Label:** 9

**Packaging group:** III

**Correct technical name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

## 15. Regulatory information

### Poisons Schedule

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

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[NOHSC:2011(2003)]

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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-phrases are those of the ingredient(s) and do(es) not necessarily represent the classification of the preparation.

10 Flammable.

21/22 Harmful in contact with skin and if swallowed.

22 Harmful if swallowed.

36/38 Irritating to eyes and skin.

38 Irritating to skin.

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.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

### Department issuing MSDS:

addChem Pty Ltd  
3895 South Gippsland Hwy  
Foster, VIC, 3960  
Australia

Phone: +61 (433) 60 14 33  
eMail: [info@add-chem.com](mailto:info@add-chem.com)

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