

SAFETY DATA SHEET

Date of issue: May 2013
Product name: CALM / PN788837 0409058

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SECTION 1 : Identification of the substance/preparation and of the company/undertaking

Product identifier	CALM / PN788837 0409058
Relevant identified uses of the substance or mixture and uses advised against	Concentrate fragrance oil liquid for aerosol refills.
Details of the supplier of the safety data sheet	Vectair Systems Ltd.
Supplier:	Unit 3 Trident Centre Armstrong Road, Basingstoke Hampshire RG24 8 NU United Kingdom Telephone : +44-1256-319500 Fax : +44-1256-319510 E-mail : info@vectair.co.uk
Emergency telephone number	Vectair Systems Limited: +44-1256-319500 For the phone number of emergency valid in your country, thank you to contact the relevant local authorities and visit the website of ECHA (European Chemicals Agency): http://echa.europa.eu/en/web/guest/support/helpdesks/national-helpdesks/list-of-national-helpdesks

SECTION 2 : Hazards identification

General	When undiluted and not properly handled, can be irritating to the skin and eyes and upon inhalation. Combustible material that can sustain a fire.
Hazard symbol	Xi, Irritant. N, Dangerous for the environment.
Risk phrases	R38, Irritating to the skin. R43, May cause sensitisation by skin contact. R51/53, Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Environment	When spilled, can contaminate soil, ground and surface water.

SECTION 3 : Composition/information on ingredients

Chemical identification:	Fragrance composition: multicomponent mixture of aromatic materials.
CAS number :	Not applicable, product is a mixture.
EINECS number :	Not applicable, product is a mixture.

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Contains	CAS/EINECS	Hazard Symbols	Conc%
2,6-octadien,3,7-dimethyl, acetate	16409-44-2 /240-458-0	N; R 51/53	1.7
(L) 3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde	31906-04-4 /250-863-4	Xi; R 43-52/53	2.9
(L) 4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-methyl-3-buten-2-one	127-51-5 /204-846-3	Xi-N; R 43-51/53	1.6
(L) 6-octen-1-ol,3,7-dimethyl	106-22-9 /203-375-0	Xi-N; R 38-43-51/53	2.3
(L) Acetyl cedrene	32388-55-9 /251-020-3	Xi-N; R 43-50/53	9.5
(L) alpha-Amylcinnamic aldehyde	122-40-7 /204-541-5	Xi-N; R 43-51/53	8.3
alpha-Terpineol	98-55-5 /202-680-6	Xi; R 36/38	8.9
(L) Benzyl 2-hydroxybenzoate	118-58-1 /204-262-9	Xi-N; R 43-51/53	1.8
CEDROL Crystals	77-53-2 /201-035-6	N; R 51/53	0.1
Dodecanal	112-54-9 /203-983-6	Xi-N; R 38-51/53	0.2
Linalool	78-70-6 /201-134-4	Xi; R 38	4.9
Linalyl Acetate	115-95-7 /204-116-4	Xi; R 38	4.8
Musk T	105-95-3 /203-347-8	N; R 51/53	0.7
(L) octanal, 2-(phenylmethylene)-	101-86-0 /202-983-3	Xi; R 38-43	8.2
(L) p-tert.-Butyl-alpha-methylhydrocinnamic aldehyde	80-54-6 /201-289-8	Xn-N; R 22-38-43-51/53-62	3.0
Phenyl Ethyl Alcohol	60-12-8 /200-456-2	Xi; R 36	7.8
Phenyl Ethyl Phenyl Acetate	102-20-5 /203-013-1	N; R 51/53	0.4

SECTION 4 : First-aid measures

Inhalation

Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

Eye exposure

Flush immediately with water for at least 15 minutes.
Contact physician if symptoms persist.

Skin exposure

Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.

Ingestion

Rinse mouth with water and obtain medical attention.

Others

Take Risk and Safety phrases (section 15) into consideration.

SECTION 5 : Fire-fighting measures

Extinguishing media:

Carbon dioxide, dry chemical, foam. Do not use a direct water-jet on burning material.

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SECTION 6 : Accidental release measures

- Personal precautions** Avoid inhalation and contact with skin and eyes. A precautions self-contained breathing apparatus is recommended in case of a major spill.
- Spillage** Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours.
Gross spillage should be contained immediately by use of sand or inert powder and disposed of according to local regulations.
- Environmental precautions** Keep away from drains, surface and ground water, and soil.

SECTION 7 : Handling and storage

- Handling** Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.
- Storage** Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original containers. Avoid plastic and uncoated metal containers. Keep air contact to a minimum.
- Fire protection** Keep away from ignition sources and naked flame.

SECTION 8 : Exposure controls/personal protection

- Respiratory protection** Avoid excessive inhalation of concentrated vapours.
- Eye protection** Wear safety glasses.
- Skin protection** Avoid skin contact. Use chemically resistant gloves as needed.

SECTION 9 : Physical and chemical properties

Appearance : Very Pale Yellow to Yellow
Odour : Not determined.
pH-value : Not determined.
Viscosity : Not determined.
Freezing point : Not determined.
Boiling point : Not determined.
Melting point : Not determined.
Flash point : >61 degC (CC)
Autoflammability : Not determined.
Explosive property : None expected.
Oxidising property : None expected.
Vapour pressure : Not determined.
Relative density : 0.9710 to 0.9910 @ 20 degC
Solubility water : Insoluble.
Solubility ethanol : Not determined.
Partition coeff. : Not determined.
Refractive index : 1.4855 to 1.5055 @ 20 degC

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SECTION 10 : Stability and reactivity

Reactivity Presents no significant reactivity hazard, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.

Decomposition Carbon monoxide and unidentified organic compounds may be formed during combustion.

SECTION 11 : Toxicological information

Based on the ingredients in this composition and their concentrations, this product is according to the conventional method of EEC directive 1999/45/EC classified as: Irritating to the skin. May cause sensitisation by skin contact.

SECTION 12 : Ecological information

General This material is unlikely to accumulate in the environment and environmental problems under normal use conditions are unexpected.

SECTION 13 : Disposal considerations

Dispose of according to local regulations.
Avoid disposing into drainage systems and into the environment.

SECTION 14 : Transport information

	Class	Pack group Sub risk	UN no	IMDG page
Road (CDGRR)	9	III	UN3082	
Air (IATA)	9	III	UN3082	
Sea (IMDG)	9	III	UN3082	

SECTION 15 : Regulatory information

Classification Packaging / Labelling (Directive 1999/45/EC)

Hazard symbol Xi, Irritant.
N, Dangerous for the environment.

Contains 3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde, 4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-methyl-3-buten-2-one, 6-octen-1-ol, 3,7-dimethyl, Acetyl cedrene, alpha-Amylcinnamic aldehyde, Benzyl 2-hydroxybenzoate, octanal, 2-(phenylmethylene)-, p-tert.-Butyl-alpha-methylhydrocinnamic aldehyde.

Risk phrases R38, Irritating to the skin.
R43, May cause sensitisation by skin contact.
R51/53, Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases S24, Avoid contact with the skin.
S37, Wear suitable gloves.
S61, Avoid release to the environment. Refer to special instructions/safety data sheet.

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SECTION 16 : Other information

Conc % Limits (*)

XiR38=62.38% XiR43=10.53% NR51/53=21.73% R52/53=2.17%
R53=76.88% IFRACLS01.A=N/A IFRACLS01.B=0.679%
IFRACLS02=0.679% IFRACLS03.A=6.791%
IFRACLS03.B=6.791% IFRACLS03.C=6.791%
IFRACLS03.D=6.791% IFRACLS04.A=6.791%
IFRACLS04.B=6.791% IFRACLS04.C=6.791%
IFRACLS04.D=6.791% IFRACLS05=6.791% IFRACLS06=N/A
IFRACLS07.A=0.679% IFRACLS07.B=0.679%
IFRACLS08.A=6.791% IFRACLS08.B=6.791%
IFRACLS09.A=6.791% IFRACLS09.B=6.791%
IFRACLS09.C=6.791% IFRACLS10.A=6.791%
IFRACLS10.B=6.791% IFRACLS11.A=100.000%
IFRACLS11.B=14.035%

Maximum usage limited by IFRA.

(*) These are the maximum percent concentrations that this material can be used in a non-hazardous product without the indicated risk being applicable to that product.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



IFRA CONFORMITY CERTIFICATE

Vectair Systems Ltd.

Unit 3, Armstrong Road, Basingstoke, Hampshire, RG24 8NU
Tel: 01256 319 500 Fax: 01256 319 510

FRAGRANCE COMPOUND
VECTAIR SYSTEMS LTD, United Kingdom
Product: CALM - PN788837

We certify that the above material complies with the Standards of the International Fragrance Association (IFRA), amendment 46, provided it is used in the following classes at a maximum concentration level of:

IFRA class	Maximum level of use (%)
Class 1.A	--- Not approved ---
Class 1.B	0.67%
Class 2	0.67%
Class 3.A	6.7%
Class 3.B	6.7%
Class 3.C	6.7%
Class 3.D	6.7%
Class 4.A	6.7%
Class 4.B	6.7%
Class 4.C	6.7%
Class 4.D	6.7%
Class 5	6.7%
Class 6	--- Not approved ---
Class 7.A	0.67%
Class 7.B	0.67%
Class 8.A	6.7%
Class 8.B	6.7%
Class 9.A	6.7%
Class 9.B	6.7%
Class 9.C	6.7%
Class 10.A	6.7%
Class 10.B	6.7%
Class 11.A	>20%
Class 11.B	14.0%

The IFRA Standards regarding use restrictions are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM) and are enforced by the IFRA Scientific Committee.

Evaluation of individual Fragrance ingredients is made according to the safety standards contained in the relevant section of the IFRA Code of Practice.