Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

Air freshener for vacuum cleaners

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Air-freshener
Sector of use [SU]:
SU21 - Consumer uses: Private households (=general public = consumers)
Chemical product category [PC]:
PC 3 - Air care products
Process category [PROC]:
PROC 8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities
Environmental Release Category [ERC]:
ERC 8a - Wide dispersive indoor use of processing aids in open systems

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

Maddocks, Unit E1-E6, Capital Point, Capital Business Park, Parkway, Cardiff, CF3 2PY
Telephone +44 (0)29 2167 8888, Fax +44 (0)870 1322 896
info@htmaddocks.co.uk www.htmaddocks.co.uk

1.4 Emergency telephone

Advisory office in case of poisoning:

Telephone number of the company in case of emergencies:

Tel: +44)0)29 2167 8888

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) 1272/2008 (CLP)

Not Determined

2.1.2 Classification according to Directives 67/548/EEC and 1999/45/EC (including amendments).

Dangerous for the environment, R52-53

2.2 Label elements

2.2.1 Labeling according to Regulation (EC) 1272/2008 (CLP)

Not determined

2.2.2 Labeling according to Directives 67/548/EEC and 1999/45/EC (including amendments).

Symbols: Not applicable
Indications of danger: ---
R-phrases:
52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic evironment.
S-phrases:
56 Dispose of this material and its container to hazardous or special waste collection point.

Additions:
Contains
(R)-p-mentha-1,8-diene
Citral
May produce an allergic reaction.

2.3 Other hazards

The mixture contains no vPvB substance (vPvB = very persistent, very bioaccumulative).
The mixture contains no PBT substance (PBT = persistent, bioaccumulative, toxic).
Allergic reaction possible.

REGULATION (EC) No 648/2004

n.a.

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a.

3.2 Mixture

2,6-Dimethyloct-7-en-2-ol	
Registration number (ECHA)	
Index	---
EINECS, ELINCS	242-262-4
CAS	CAS 18479-58-8
content %	1-<10
Symbol	Xi
R-phrases	38
Classification categories / Indications of danger	Irritant
Hazard class/Hazard category	**Hazard statement**
Skin Irrit./2	H315

linalool	
Registration number (ECHA)	
Index	---
EINECS, ELINCS	201-134-4
CAS	CAS 78-70-6
content %	1-5
Symbol	Xi
R-phrases	38
Classification categories / Indications of danger	Irritant
Hazard class/Hazard category	**Hazard statement**
Skin Irrit./2	H315

2,6-Octadienal, 3,7-dimenthyl-, acid isomerized	
Registration number (ECHA)	-
Index	---
EINECS, ELINCS	291-768-8
CAS	CAS 90480-35-6
content %	1-5
Symbol	F/Xi
R-phrases	11-38-52-53
Classification categories / Indications of danger	Dangerous for the environment, Highly flammable, Irritant
Hazard class/Hazard category	**Hazard statement**
Flam. Liq./2 Skin Irrit./2 Aquatic Chronic/3	H225 H315 H412

2-tert-Butylcyclohexyl acetate	
Registration number (ECHA)	-
Index	---
EINECS, ELINCS	261-245-9
CAS	CAS 58430-94-7
content %	1-5
Symbol	Xi
R-phrases	38
Classification categories / Indications of danger	Irritant
Hazard class/Hazard category	**Hazard statement**
Skin Irrit./2	H319

(R)-p-mentha-1,8-diene	
Registration number (ECHA)	-
Index	601-029-00-7
EINECS, ELINCS	227-813-5
CAS	CAS 5989-27-5
content %	0,25-<1
Symbol	Xi/N
R-phrases	10-38-43-50-53
Classification categories / Indications of danger	Dangerous for the environment, Flammable, Irritant, Sensitizing
Hazard class/Hazard category	**Hazard statement**
Flam. Liq./3 Skin Irrit./2 Skin Sens./1 Aquatic Acute/1 Aquatic Chronic/1	H226 H315 H317 H400 H410

Dodecanenitrile	
Registration number (ECHA)	-
Index	---
EINECS, ELINCS	219-440-1
CAS	CAS 2437-25-4
content %	0,25-<1
Symbol	N
R-phrases	50-53
Classification categories / Indications of danger	Dangerous for the environment
Hazard class/Hazard category	**Hazard statement**
Aquatic Acute/1 Aquatic Chronic/1	H400 H410

p-mentha-1,4(8)-diene	
Registration number (ECHA)	-
Index	---
EINECS, ELINCS	209-578-0
CAS	CAS 586-62-9
content %	0,1-<1
Symbol	Xn/N
R-phrases	10-51-53-65
Classification categories / Indications of danger	Dangerous for the environment, Flammable, Harmful
Hazard class/Hazard category	**Hazard statement**
Flam. Liq./2 Aquatic Chronic/3 Asp. Tox./1	H226 H411 H304

Dodecanal	
Registration number (ECHA)	-
Index	---
EINECS, ELINCS	203-983-6
CAS	CAS 112-54-9
content %	0,1-<1
Symbol	Xi/N
R-phrases	38-51-53
Classification categories / Indications of danger	Dangerous for the environment, Irritant
Hazard class/Hazard category	**Hazard statement**
Skin Irrit./2 Aquatic Chronic/2	H315 H411

2-tert-Butylcyclohexyl acetate	
Registration number (ECHA)	-
Index	---
EINECS, ELINCS	201-828-7
CAS	CAS 88-41-5
content %	0,1-<1
Symbol	N
R-phrases	51-53
Classification categories / Indications of danger	Dangerous for the environment
Hazard class/Hazard category	**Hazard statement**
Aquatic Chronic/2	H411

p-cymene	
Registration number (ECHA)	-
Index	---
EINECS, ELINCS	202-796-7
CAS	CAS 99-87-6
content %	0,1-<1
Symbol	Xn/N
R-phrases	10-51-53-65
Classification categories / Indications of danger	Dangerous for the environment, Flammable, Harmful
Hazard class/Hazard category	**Hazard statement**
Flam. Liq./3 Aquatic Chronic/2 Asp. Tox./1	H226 H441 H304

Citral	
Registration number (ECHA)	-
Index	605-019-00-3
EINECS, ELINCS	226-394-6
CAS	CAS 5392-40-5
content %	0,1-<1
Symbol	Xi
R-phrases	38-43
Classification categories / Indications of danger	Irritant, Sensitizing
Hazard class/Hazard category	**Hazard statement**
Skin Irrit./2 Skin Sens./1	H315 H317

p-mentha-1,3-diene	
Registration number (ECHA)	-
Index	---
EINECS, ELINCS	202-795-1
CAS	CAS 99-86-5
content %	0,1-<1
Symbol	Xn/N
R-phrases	10-22-51-53-65
Classification categories / Indications of danger	Dangerous for the environment, Flammable, Harmful
Hazard class/Hazard category	**Hazard statement**
Flam. Liq./3 Acute Tox./4 Aquatic Chronic/2 Asp. Tox./1	H226 H302 H411 H304

For the text of the R-phrases / H-phrases and classification codes (GHS/CLP), see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
Inhalation
Supply person with fresh air and consult doctor according to symptoms.

Skin contact
Wash thoroughly with soap and water.
Remove contaminated clothing immediately.

Eye contact
Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion
Call doctor immediately - have Data Sheet available.

4.2 Most important symptoms and effects, both acute and delayed
Where relevant delayed occuring symptoms and effects will be found in Section 11. or at the exposure routes under Section 4.1.
The following may occur:
Allergic reaction possible.

4.3 Indication of any immedaite medical attention and special treatment needed
n.c.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
Adapt to the nature and extent of fire.
Water jet spray/foam/CO2/dry extinguisher

Unsuitable extinguisher media
None known

5.2 Special hazards arising from the substance or mixture
Incase of fire the following can develop:
Oxides of carbon
Toxic pyrolysis products

5.3 Advice for firefighters
According to size of fire
Protective respirator with independent air supply
Full protection, if necessary
Dispose of contaminated extinction water according to official regulations

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
No special measures required.
Ensure sufficient supply of air.
Avoid contact with eyes or skin.

6.2 Environmental precautions
Prevent from entering drainage system.
Prevent surface and ground-water infiltration, as well as ground penetration.

6.3 Methods and material for containment and cleaning up
Pick up mechanically and dispose of according to Section 13.

6.4 Reference to other sections
For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Ensure good ventilation.
Avoid long lasting or intensive contact with skin.
Observe directions on label and instructions for use.
Use working methods according to operation instructions.
General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and end of work.
Kepp away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering area in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities
Store product closed and only in original packaging.
Not to be stored in gangways or stair wells.
See Section 10.
Store at room temperature.
Store in a dry place.

7.3 Specific end use(s)
No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls
8.2.1 Appropriate engineering controls
Ensure good ventilation. This can be achieved by local suction or general air extraction.
If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
Applies only if maximum permissible exposure values are listed here.

8.2.2 Individual protection measures, such as personal protective equipment
General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:
Normally not necessary.

Skin protection - hand protection:
Normally not necessary.
With long term contact:
If applicable
Rubber gloves (EN 374).
Protective hand cream recommended.

Skin protection - Other:
Usual protective working garments.

Respiratory protection:
Normally not necessary.

Thermal hazards:
If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

Additional information on hand protection - No tests have been performed.
In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.
Selection of materials derived from glove manufacturer's indications.
Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.
Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.
In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.
The exact breakthrough time of the glove material can be requested from the protective glove manufacturer nd must be observed.

8.2.3 Environmental exposure controls
No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Solid
Colour:	According to specification
Odour:	Aromatic
Odour threshold:	Not determined
pH-value:	n.a.
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
Flash point:	66C (Aromatics)
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Lower explosive limit:	Not determined
Upper explosive limit:	Not determined
Vapour pressure:	Not determined
Vapour density (air = 1):	Not determined
Density:	Not determined

Bulk density:	Not determined
Solubility(ies):	Not determined
Water solubility:	Not determined
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscostiy:	n.a.
Explosive properties:	Not determined
Oxidising properties:	Not determined

9.2 Other Information

Miscibility:	Not determined
Fat solubility / solvent:	Not determined
Conductivity:	Not determined
Surface tension:	Not determined
Solvents content:	Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity
See also Subsection 10.4 to 10.6
The product has not been tested.

10.2 Chemical stability
See also Subsection 10.4 to 10.6
Stable with proper storage and handling.

10.3 Possibility of hazardous reactions
See also Subsection 10.4 to 10.6
No decomposition if used as intended.

10.4 Conditions to avoid
See also Section 7
Protect from humidity.

10.5 Reactivity
No dangerous reactions are known.

10.6 Hazardous decomposition products
See also Subsection 10.4 to 10.6
See also 5.2
No decomposition when used as directed.

SECTION 11: Toxicological information

Classification according to calculation procedure.

Air fresheners for vacuum cleaners						
Toxicity/effect	**Endpoint**	**Value**	**Unit**	**Organism**	**Test method**	**Notes**
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE)						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE)						n.d.a.
Aspiration hazard:						n.d.a.
Respiratory tract irritation:						n.d.a.
Repeated dose toxicity:						n.d.a.
Symptoms:						n.d.a.

linalool

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	2790	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	5000	mg/kg	Rabbit		
Symptoms:						respiratory distress, coughing, mucous membrane irritation

(R)-p-mentha-1,8-diene

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	4400	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit		
Symptoms:						diarrhoea, rash, itching, gastrointestinal disturbances, mucous membrane irritation, nausea and vomiting

Dodecanenitrile

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Symptoms:						respiratory distress, unconciousness, heart/circulatory disorders

p-mentha-1,4(8)-diene

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	4390	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit		

Dodecanal

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	23000	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit		
Symptoms:						mucous membrane irritation

2-tert-Butycyclohexyl acetate

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	4600	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit		

p-cymene

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Symptoms:						breathing difficulties, respiratory distress, unconciousness, coughing, headaches, cramps, mucous membrane irritation, nausea and vomiting

p-mentha-1,3-diene

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Symptoms:						drop in blood pressure, headaches, mucous membrane irritation

linalool						
Toxicity/effect	**Endpoint**	**Value**	**Unit**	**Organism**	**Test method**	**Notes**
Acute toxicity, by oral route:	LD50	4960	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	2250	mg/kg	Rabbit		
Skin corrosion/irritation:						Irritant
Symptoms:						respiratory distress, dizziness, coughing, headaches, gastrointestinal disturbances, mucous membrane irritation, nausea

SECTION 12: Ecological information

Air fresheners for vacuum cleaners							
Toxicity/effect	**Endpoint**	**Time**	**Value**	**Unit**	**Organism**	**Test method**	**Notes**
Toxicity to fish:							n.d.a.
Toxicity to daphnia:							n.d.a.
Toxicity to algae:							n.d.a.
Persistence and degradability:							n.d.a.
Bioaccumulative potential:							n.d.a.
Mobility in soil:							n.d.a.
Results of PBT and vPvB assessment:							n.d.a.
Other adverse effects							n.d.a.

linalool							
Toxicity/effect	**Endpoint**	**Time**	**Value**	**Unit**	**Organism**	**Test method**	**Notes**
Toxicity to fish:	LC50	96h	27,8	mg/l	(oncorhynchus mykiss)	OECD 203 (Fish, Acute Toxicity Test)	
Toxicity to daphnia:	EC50	48h	59	mg/l	(Daphnia magna)	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
Toxicity to algae:	EC50	96h	88,3	mg/l	(Scenedesmus subspicatus)	DIN 38412 T.9	
Persistence and degradability:		28d	80	%		OECD 301 C (Ready Biodegradability - Modified MITI Test(I))	
Toxicity to bacteria:	EC50	30min	>100	mg/l	(activated sludge)	OECD 209 (Activated Sludge, Respiration Inhibtion Test (Carbon and Ammonium Oxidation))	

(R)-p-mentha-1,8-diene							
Toxicity/effect	**Endpoint**	**Time**	**Value**	**Unit**	**Organism**	**Test method**	**Notes**
Toxicity to fish:	LC50	96h	0,70	mg/l	(Pimephales promelas)		
Toxicity to daphnia:	EC50	48h	0,42	mg/l	(Daphnia Magna)		
Persistence and degradability:		28d	92	%		OECD 301 D (Ready Biodegradability - Closed Bottle Test)	

(R)-p-mentha-1,8-diene							
Toxicity/effect	**Endpoint**	**Time**	**Value**	**Unit**	**Organism**	**Test method**	**Notes**
Toxicity to fish:	LC50	96h	0,1-<1	mg/l			Analogous conclusion

p-mentha-1,4(8)-diene							
Toxicity/effect	**Endpoint**	**Time**	**Value**	**Unit**	**Organism**	**Test method**	**Notes**
Persistence and degradability:		28d	62,1	%		OECD 301 B (Ready Biodegradability - CO2 Evolution Test)	
Persistence and degradability:		28d	51	%		OECD 301 F (Ready Biodegradability - Manometric Respiratory Test)	

Citral							
Toxicity/effect	**Endpoint**	**Time**	**Value**	**Unit**	**Organism**	**Test method**	**Notes**
Toxicity to fish:	LC50	96h	>4,6	mg/l	(Leuciscus idus)		

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:
The waste codes are recommendations based on the scheduled use of this product.
Owing to the user's specific conditions for use and disposal, other waste codes may ba allocated under certain circumstances.
(2001/118/EC, 2001/119/EC, 2001/573/EC)
07 07 99 wastes not otherwise specified
16 03 06 organic wastes other than those mentioned in 16 03 05
Recommendation:
Pay attention to local and national official regulations
E.g. suitable incineration plant.
E.g. dispose at suitable refuse site.

For contaminated packing material

Pay attention to local and national official regulations
Recycling
15 01 01 paper and cardboard
15 01 02 plastic packaging

SECTION 14: Transport information

General statements

UN number: n.a.

Transported by road/by rail (ADR/RID)

UN proper shipping name:
Transport hazard class(es): n.a.
Packing group: n.a.
Classification code: n.a.
LQ (ADR 2011): n.a.
LQ (ADR 2009): n.a.
Environmental hazards: Not applicable
Tunnel restriction code:

Transported by sea (IMDG-code)

UN proper shipping name:
Transport hazard class(es): n.a.
Packing group: n.a.
Marine pollutant: n.a.
Environmental hazards: Not applicable

Transported by air (IATA)

UN proper shipping name:
Transport hazard class(es): n.a.
Packing group: n.a.
Environmental hazards: Not applicable

Special precautions for user
Unless specified otherwise, general measures for safe transport must be followed.

Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code
Non-dangerous material according to Transport Regulations.

Additional information:
Non-dangerous material according to Transport Regulations.

SECTION 15: Transport information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
For classification and labelling see Section 2.
Observe restrictions: n.a.

15.2 Chemical safety assessment
No information available at present.

SECTION 16: Other information

These details refer to the product as it is delivered.
Revised sections:
The following statements are the indicated R-phrases / H-phrases and classification codes (GHS/CLP) for the ingredients (listed in Section 3).
22 Harmful if swallowed.
38 Irritating to skin.
11 Highly flammable.
43 May cause sensitisation by skin contact.
10 Flammable.
50 Very toxic to aquatic organisms.
51 Toxic to aquatic organisms.
52 Harmful to aquatic organisms.
53 May cause long-term adverse effects in the aquatic environment.
36 Irritating to eyes.
65 Harmful: may cause lung damage if swallowed.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Cause skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Skin Irrit. - Skin irritation
Flam. Liq. - Flammable liquid
Aquatic Chronic - Hazardous to the aquatic environment - chronic
Eye Irrit. - Eye irritation
Skin Sens. - Skin sensitisation
Aquatic Acute - Hazardous to the aquatic environment - acute
Asp. Tox. - Aspiration hazard
Acute Tox. - Acute toxicity - oral

Legend:

n.a. = not applicable / n.v., n.av. = not available / n.g., n.c. = not checked / k.D.v., n.d.a. = no data available
WEL = Workplace Exposure Limit EH40, TWA = Long-term exposure limit (8-hour TWA (=time weighted avergae) reference period),
STEL = Short-term exposure limit (15-minute reference period) / BMGV = Biological monitoring guidance value EH40
AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany) / BGW = " Biological monitoring Grenzwert" (biological limit value, Germany)
VbF = Regulations for flammable liquids (Austria)
VOC = Volatile organic compounds
AOX = Adsorbable organic halogen compounds
ATE - Acute Toxicity Estimates according to Regulation (EC) 1272/2008 (CLP)

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.
No responsibility.

These statements were made by:

Cang Nan County Long Gang Jia Bao Commodity Co.,Ltd.
1268 Hai Gang Road, Long Gang Town, Cang, Nan County