

SAFETY DATA SHEET

Date of issue: December 2012
Product name: CITRUS TINGLE PN778305

Page: 1/6

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

Product identifier	CITRUS TINGLE PN778305
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.
Hazard symbol	Combustible material that can sustain a fire. Xn, Harmful. N, Dangerous for the environment.
Risk phrases	R38, Irritating to the skin. R43, May cause sensitisation by skin contact. R65, May cause lung damage if swallowed. 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.

SAFETY DATA SHEET

Date of issue: December 2012
 Product name: CITRUS TINGLE PN778305

Page: 2/6

Contains	CAS/EINECS	Hazard Symbols	Conc%
2,6-octadien,3,7-dimethyl, acetate	16409-44-2 /240-458-0	N; R 51/53	1.0
2-Acetonaphthone	93-08-3 /202-216-2	N; R 51/53	0.3
2-ethoxynaphthalene	93-18-5 /202-226-7	Xi-N; R 38-51/53	0.4
3a-4,5,6,7,7a-hexahydro-7, methane-1(3)H-inden-5(6)-yl aetate	5413-60-5 /226-501-6	-; R 52/53	3.2
(L) 6-octen-1-ol,3,7-dimethyl	106-22-9 /203-375-0	Xi-N; R 38-43-51/53	1.0
alpha+beta-PINENES	-/-	Xi-N; R 43-50/53	0.5
alpha-Terpineol	98-55-5 /202-680-6	Xi; R 36/38	11.0
alpha-Terpinolene	586-62-9 /209-578-0	Xn-N; R 10-51/53-65	7.0
CITRONELLAL(NOT CITRONELLOL)	5949-05-3 /227-707-9	Xi-N; R 38-43-51/53	0.2
CITRONELLYL ACETATE	150-84-5 /205-775-0	Xi-N; R 38-51/53	0.4
(L) d-para-Mentha-1,8-Diene	5989-27-5 /-	Xi-N; R 10-38-43-50/53-65	21.8
Decanal	112-31-2 /203-957-4	Xi; R 38-52/53	3.2
(L) Eucalyptus globulus oil	84625-32-1 /283-406-2	Xn-N; R 10-43-51/53-65	1.0
(L) Geranal+Neral	5392-40-5 /226-394-6	Xi; R 38-43	1.0
GRAPEFRUIT FLAVOUR 0A107000	-/232-433-8	Xn-N; R 10-38-43-50/53-65	0.2
Linalool	78-70-6 /201-134-4	Xi; R 38	9.5
METAZENE PF26015	142-90-5 /-	-; R 36/37/38-50/53	0.2
n-Octanal	124-13-0 /204-683-8	Xi; R 10-36/38-52/53	2.0
Nonanal	124-19-6 /204-688-5	Xi; R 38-52/53	1.8
para-Cymene	99-87-6 /202-796-7	Xn-N; R 10-51/53-65	0.5

SAFETY DATA SHEET

Date of issue: December 2012
Product name: CITRUS TINGLE PN778305

Page: 3/6

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.
-----------------------------	--

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.

SAFETY DATA SHEET

Date of issue: December 2012
Product name: CITRUS TINGLE PN778305

Page: 4/6

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	Yellow.
Odour	Not determined.
pH-value	Not determined.
Viscosity	Mobile liquid.
Freezing point	Not determined.
Boiling point	Not determined.
Melting point	Not determined.
Flash point	57 degC (CC)
Auto flammability	Not determined.
Explosive property	None expected.
Oxidising property	None expected.
Vapour pressure	Not determined.
Relative density	0.9010 to 0.9210 @ 20 degC
Solubility water	Insoluble.
Solubility ethanol	Not determined.
Partition coeff.	Not determined.
Refractive index	1.4530 to 1.4730 @ 20 degC

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.

May cause lung damage if swallowed.

SAFETY DATA SHEET

Date of issue: December 2012
Product name: CITRUS TINGLE PN778305

Page: 5/6

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)	3	III	UN1993	
Air (IATA)	3	III	UN1993	
Sea (IMDG)	3	III	UN1993	

SECTION 15 : Regulatory information

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

Hazard symbol Xn, Harmful.
N, Dangerous for the environment.

Contains 6-octen-1-ol,3, 7-dimethyl, d-para-Mentha-1,8-Diene, Eucalyptus globulus oil, Geranal+Neral.

Risk phrases R38, Irritating to the skin.
R43, May cause sensitisation by skin contact.
R65, May cause lung damage if swallowed.
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.
S62, If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

SAFETY DATA SHEET

Date of issue: December 2012
Product name: CITRUS TINGLE PN778305

Page: 6/6

SECTION 16 : Other information

Conc % Limits (*)

XiR38=39.02% XiR43=4.60% XnR65=32.84% NR51/53=10.49%
R52/53=1.04% R53=55.99% IFRACLS01.A=N/A
IFRACLS01.B=1.500% IFRACLS02=2.000%
IFRACLS03.A=10.000% IFRACLS03.B=10.000%
IFRACLS03.C=10.000% IFRACLS03.D=10.000%
IFRACLS04.A=10.000% IFRACLS04.B=10.000%
IFRACLS04.C=10.000% IFRACLS04.D=10.000%
IFRACLS05=10.000% IFRACLS06=N/A IFRACLS07.A=4.000%
IFRACLS07.B=4.000% IFRACLS08.A=10.000%
IFRACLS08.B=10.000% IFRACLS09.A=10.000%
IFRACLS09.B=10.000% IFRACLS09.C=10.000%
IFRACLS10.A=10.000% IFRACLS10.B=10.000%
IFRACLS11.A=100.000% IFRACLS11.B=100.000%

The Label, Risk and Safety Phrases assigned to this material may have changed since the previous version of this Safety Data Sheet - please check sections 3, 11 and 15.

The Concentration Limits assigned to this material may have changed since the previous version of this Safety Data Sheet - please check section 16.

(*) 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: CITRUS TINGLE / PN778305 UF/778305

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	1.5%
Class 2	2.0%
Class 3.A	10.0%
Class 3.B	10.0%
Class 3.C	10.0%
Class 3.D	10.0%
Class 4.A	10.0%
Class 4.B	10.0%
Class 4.C	10.0%
Class 4.D	10.0%
Class 5	10.0%
Class 6	--- Not approved ---
Class 7.A	4.0%
Class 7.B	4.0%
Class 8.A	10.0%
Class 8.B	10.0%
Class 9.A	10.0%
Class 9.B	10.0%
Class 9.C	10.0%
Class 10.A	10.0%
Class 10.B	10.0%
Class 11.A	>20%
Class 11.B	>20%

For other kinds of applications a new evaluation may be needed; please contact AROMATIC FLAVOURS & FRAGRANCES EUROPE.

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.

It is the ultimate responsibility of our customer to ensure the safety of the final product (containing this fragrance) by further testing if need be.