

SAFETY DATA SHEET

Issuing Date 11-Nov-2015

Revision Date 11-Nov-2015

Revision Number 0

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name Aura E Refill

Pure substance/mixture Mixture

Contains Citral, (r)-p-mentha-1,8-diene

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

Recommended Use Air freshener

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Importer	Company
Fragrance Delivery Technologies, LTD	Fragrance Delivery Technologies, LTD
P.O.Box 262800	P.O.Box 262800
Dubai	Dubai
United Arab Emirates	United Arab Emirates
TEL: +9714 887 0577	TEL: +9714 887 0577
email: fdtinquiries@oxygenpowered.com	email: fdtinquiries@oxygenpowered.com

For further information, please contact

E-mail Address See above

1.4. Emergency telephone number

Emergency Telephone Number No information available.

Europe	112
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Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Skin Sensitization	Category 1
Chronic Aquatic Toxicity	Category 2

Physical Hazards

None

2.2. Label Elements



Signal Word

Warning

Hazard Statements

H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H411 - Toxic to aquatic life with long lasting effects
EUH210 - Safety data sheet available on request

Precautionary Statements - EU (§28, 1272/2008)

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
P280 - Wear protective gloves/ eye protection/ face protection
P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention
P337 + P313 - If eye irritation persists: Get medical advice/ attention
P273 - Avoid release to the environment
P391 - Collect spillage

Precautionary Statements

P332 + P313 - If skin irritation occurs: Get medical advice/ attention
P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
P272 - Contaminated work clothing should not be allowed out of the workplace
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention
P363 - Wash contaminated clothing before reuse
P308 + P313 - IF exposed or concerned: Get medical advice/ attention
P405 - Store locked up
P273 - Avoid release to the environment
P391 - Collect spillage
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P264 - Wash face, hands and any exposed skin thoroughly after handling
P337 + P313 - If eye irritation persists: Get medical advice/ attention

2.3. Other information

May be harmful if swallowed.

Section 3. Composition/information on ingredients

3.1. Substances

3.2. Mixtures

Chemical Name	EC-No	CAS-No	Weight %	EU - GHS Substance Classification	REACH No.
Dihydromyrcenol	242-362-4	18479-58-8	10-20	Skin Irrit. 2 (H315)	No data available
Linalool (ex bois de rose, synthetic)	201-134-4	78-70-6	5-10		No data available
Naphtha (petroleum), hydrotreated heavy	265-150-3	64742-48-9	1-5	Muta. 1B (H340) Carc. 1B (H350) Asp. Tox. 1 (H304)	No data available
Ethanone, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)-	259-174-3	54464-57-2	2.5-5	Aquatic Chronic 4 (H413)	No data available
(r)-p-mentha-1,8-diene	Present	5989-27-5	2.5-5	Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Citral	226-394-6	5392-40-5	1-3	Skin Irrit. 2 (H315) Skin Sens. 1 (H317)	No data available
Undecanal, 2-methyl-	203-765-0	110-41-8	0.25-1.0	Aquatic Chronic 3 (H412)	No data available
Benzenepropanal, alpha.-methyl-4-(1-methylethyl)-	203-161-7	103-95-7	0.25-1.0	Skin Irrit. 2 (H315)	No data available
4-Penten-1-one, 1-(5,5-dimethyl-1-cyclohexen-1-yl)-	260-486-7	56973-85-4	0.1-1.0	Skin Sens. Cat. 1B (317)	No data available
Cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl-	214-946-9	1222-05-5	.25-0.99	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Triplal	268-264-1	68039-49-6	0.1-0.25		No data available
Isoeugenol	202-590-7	97-54-1	<0.1	Skin Sens. 1 (H317)	No data available

For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of first-aid measures

Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs.
Skin Contact	Wash skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention. Remove and wash contaminated clothing before re-use.
Ingestion	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
Inhalation	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
Protection of First-aiders	Use personal protective equipment.

4.2. Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects Skin irritation. Itching. Rashes. Eye irritation/reactions.

4.3. Indication of immediate medical attention and special treatment needed**Notes to Physician**

May cause sensitization of susceptible persons. Treat symptomatically.

Section 5. Fire-fighting measures**5.1. Extinguishing media****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

May burn if exposed to high temperature.

5.3. Advice for firefighters**Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Dispose of contents/container to an approved waste disposal plant. Collect spillage. See Section 12 for additional Ecological Information.

6.3. Methods and materials for containment and cleaning up

Dike to collect large liquid spills.

Dam up. Soak up with inert absorbent material. Use personal protective equipment. Sweep up and shovel into suitable containers for disposal.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage**7.1. Precautions for Safe Handling****Handling**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Wash face, hands and any exposed skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store locked up.

7.3. Specific end use(s)**Exposure Scenario**

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection**8.1. Control parameters****Exposure Limits**

Chemical Name	EU	The United Kingdom	France	Spain	Germany
Naphtha (petroleum), hydrotreated heavy 64742-48-9					MAK: 50 ppm MAK: 300 mg/m ³ Ceiling / Peak: 100 ppm Ceiling / Peak: 600 mg/m ³
(r)-p-mentha-1,8-diene 5989-27-5			TWA: 1000 mg/m ³ STEL: 1500 mg/m ³		TWA: 5 ppm TWA: 28 mg/m ³ Ceiling / Peak: 20 ppm Ceiling / Peak: 112 mg/m ³ Skin TWA: 20 ppm TWA: 110 mg/m ³
Component	Italy	Portugal	The Netherlands	Finland	Denmark
(r)-p-mentha-1,8-diene 5989-27-5 (2.5-5)				TWA: 25 ppm TWA: 140 mg/m ³ STEL: 50 ppm STEL: 280 mg/m ³	
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Naphtha (petroleum), hydrotreated heavy 64742-48-9			NDSch: 900 mg/m ³ NDS: 300 mg/m ³		
(r)-p-mentha-1,8-diene 5989-27-5		STEL: 40 ppm STEL: 220 mg/m ³ TWA: 20 ppm TWA: 110 mg/m ³		TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³	

Derived No Effect Level No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls**Engineering Measures**

None under normal use conditions.

Personal protective equipment**Eye Protection**

No special protective equipment required. If splashes are likely to occur, wear: Goggles

Skin and Body Protection

No special protective equipment required.

Hand Protection

Protective gloves.

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Environmental Exposure Controls Do not allow material to contaminate ground water system.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid	Appearance	Colorless to very slightly yellow
Odor	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	72 °C	Grabner miniflash closed cup
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Vapor Pressure	0.2969 hPa @ 20 °C	None known
Vapor Density	No data available	None known
Relative Density	No data available	None known
Water Solubility	Insoluble in water.	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Explosive Properties	No data available	
Oxidizing Properties	No data available	

9.2. Other information

VOC Content (%)	No information available
Flammability Limits in Air	No data available

Section 10. Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Extreme heat.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Carbon oxides.

Section 11. Toxicological information

11.1. Information on toxicological effects

Acute Toxicity

Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation	There is no data available for this product.
Eye Contact	Causes serious eye irritation.
Skin Contact	Causes skin irritation. May cause sensitization by skin contact.
Ingestion	There is no data available for this product.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dihydromyrcenol	= 3600 mg/kg (Rat)	> 5 g/kg (Rabbit)	
Linalool (ex bois de rose, synthetic)	= 2790 mg/kg (Rat)	= 5610 mg/kg (Rat)	
(r)-p-mentha-1,8-diene	= 4400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	
Naphtha (petroleum), hydrotreated heavy	> 5000 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	
Citral	= 4950 mg/kg (Rat)	= 2250 mg/kg (Rabbit) > 2000 mg/kg (Rat)	
Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)-	= 3810 mg/kg (Rat)	> 5 g/kg (Rat)	
Undecanal, 2-methyl-	> 5 g/kg (Rat)	> 10 g/kg (Rabbit)	
Cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl-	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	
Alcohols, C11-14-iso-, C13-rich	= 17000 mg/kg (Rat)	> 2600 mg/kg (Rabbit)	

Sensitization	May cause an allergic skin reaction.
Mutagenic Effects	No information available.
Carcinogenic Effects	Contains no ingredients above reportable quantities listed as a carcinogen.
Reproductive Toxicity	No information available.
Developmental Toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration Hazard	No information available.

Section 12. Ecological information

12.1. Toxicity

Ecotoxicity Effects

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

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Linalool (ex bois de rose, synthetic)	EC50 96 h: = 88.3 mg/L (Desmodesmus subspicatus)	LC50 96 h: 22-46 mg/L static (Leuciscus idus)	EC50 = 1000 mg/L 30 min	EC50 48 h: = 20 mg/L (Daphnia magna)
Naphtha (petroleum), hydrotreated heavy		LC50 96 h: = 2200 mg/L (Pimephales promelas)		LC50 96 h: = 2.6 mg/L (Chaetogammarus marinus)
(r)-p-mentha-1,8-diene		LC50 96 h: 0.619 - 0.796 mg/L flow-through (Pimephales promelas) LC50 96 h: = 35 mg/L (Oncorhynchus mykiss)		
Citral	EC50 72 h: = 16 mg/L (Desmodesmus subspicatus) EC50 96 h: = 19 mg/L (Desmodesmus subspicatus)	LC50 96 h: 4.6-10 mg/L static (Leuciscus idus)	EC50 = 2100 mg/L 30 min	EC50 48 h: = 7 mg/L (Daphnia magna)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Chemical Name	Log Pow
Linalool (ex bois de rose, synthetic)	3.1
Citral	2.76

12.4. Mobility in soil

Adsorbs on soil.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

13.1. Waste treatment methods**Waste from Residues / Unused Products**

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14. Transport information

Note:

Per 49 CRF §173.155(b)(1) and IMDG per 2.10.2.7 this would be exempt from labeling as a Marine Pollutant if packaged in single or combination packagings containing a net quantity per single or inner packaging of 5L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids for these modes of transportation.

IMDG/IMO

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Marine Pollutant	None.
14.6. Special Provisions	None.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.

RID

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

ADR

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

ICAO

14.1. UN-Number	Not regulated.
14.2. Proper shipping name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

IATA

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

Section 15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****International Inventories**

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Not determined
IECSC	Complies
AICS	Complies
KECL	Not determined

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No information available

Section 16. Other information**Full text of H-Statements referred to under sections 2 and 3**

H315 - Causes skin irritation

H412 - Harmful to aquatic life with long lasting effects

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H317 - May cause an allergic skin reaction

H413 - May cause long lasting harmful effects to aquatic life

H226 - Flammable liquid and vapor

H340 - May cause genetic defects if inhaled

H350 - May cause cancer if swallowed

H304 - May be fatal if swallowed and enters airways

Key literature references and sources for data

www.ChemADVISOR.com/

Issuing Date 11-Nov-2015

Revision Date 11-Nov-2015

Revision Note Initial Release.

This safety data sheet complies with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006

General Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet