

THE AROMAVERSE-FZCO

**** MATERIAL SAFETY DATA SHEET ****

SAFRANAL

Section 1 - Chemical Product and Company Identification

MSDS Name : SAFRANAL

Synonyms : SAFRANAL

Company Identification THE AROMAVERSE-FZCO

A6-3648479202, Premises No. A6-003-B ,
IFZA Business Park, DDP. DUBAI, UNITED ARAB EMIRATES.
Email: info@aromaverse.net

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	%	EINECS#
116-26-7	SAFRANAL	99%Min	204-133-7

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4 H302: Harmful if swallowed.

Skin irritation, Category 2 H315: Causes skin irritation.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Skin sensitisation, Sub-category 1A H317: May cause an allergic skin reaction.

Long-term (chronic) aquatic hazard,

Category 2

H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H302 Harmful if swallowed.

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.

Precautionary statements : Prevention:

P261 Avoid breathing dust/ fume/ gas/ mist/
vapours/ spray.

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face
protection.

Response:

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P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P391 Collect spillage.

Hazardous components which must be listed on the label:

• 2,6,6-trimethylcyclohexa-1,3-dienecarbaldehyde

116-26-7

• 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2Hbenzopyran-6-ol
10191-41-0

2.3 Other hazards

Hazards not Otherwise

Classified.

:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

POTENTIAL HEALTH EFFECTS

Eye

May cause irritation in the eyes

Skin

May cause irritation on the skin

Ingestion

Not Available

Inhalation

Not Available

Chronic

Not Known



Section 4 - First aid Measures

Eyes

Rinse immediately with plenty of water for 10 minutes at least.

Skin

Wash thoroughly with soap and water; flush with plenty of water.

Ingestion

Wash the mouth with water; seek medical advice immediately.

Inhalation

Move from exposure site to fresh air and keep at rest.

Notes to Physician Treat symptomatically.

Section 5 - Fire Fighting Measures

General Information Closed containers may build up pressure at elevated temperatures. If possible, containers should be cooled with a water spray.

Extinguishing Media CO₂, foam, dry chemicals.

Section 6 - Accidental Release Measures

General Information Prevent any contact with hot surfaces. Do not approach facing the wind.

Spills/Leaks

Contain spilled material. Cover with an inert, non-combustible, inorganic absorbent material.

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Section 7 - Handling and Storage

Handling Apply according to good manufacturing and industrial hygiene practices with proper ventilation.

Storage Store in cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls Ensure good ventilation of the work station.

PERSONAL PROTECTIVE EQUIPMENT

Eyes Use safety glasses.

Skin Avoid skin contact. Use chemical resistant gloves as needed.

Respirators Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions



Section 9 - Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state : liquid

Form : liquid

Colour : yellow to dark yellow

Taste : Herbal

Odour : Spicy, Food-like

Odour Threshold : 0,7175 ng/l

Flash point : 84,9 °C at 1 013,0 hPa Method: closed cup Regulation (EC)

No. 440/2008, Annex, A.9

Lower explosion limit : not determined

Upper explosion limit : not determined

Flammability : Not flammable

Oxidizing properties : no data available

Auto-ignition temperature : 282 °C at 962 hPa Method: A15

Decomposition temperature : no data available

Molecular weight : 150,20 g/mol

pH : no data available

Melting point : < -20 °C at 1 013,0 hPa

Method: Regulation (EC) No. 440/2008, Annex, A.1

Boiling point : 221,4 °C at 976 hPa

Method: OECD Test Guideline 103

Vapour pressure : 0,103 hPa at 20 °C

Method: OECD Test Guideline 104

Density : 968,25 kg/m³ at 20 °C

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Bulk density : Not applicable
Water solubility : 514,9 g/l at 20 °C
Method: OECD Test Guideline 105
Solubility/qualitative : Very slightly soluble
Partition coefficient: noctanol/water
: log Pow: 2,7
Method: OECD Test Guideline 117
Viscosity, kinematic : no data available
Relative vapour density : no data available
Surface tension : 59,4 mN/m at 20,0 °C
Method: OECD Test Guideline 115
Evaporation rate : no data available
Explosive properties : Not explosive
9.2 Other information
Not applicable

Section 10 - Stability and Reactivity

Chemical Stability	Stable under normal temp and pressure.
Conditions to Avoid	Avoid contact with strong acids, alkali or oxidizing agents.
Incompatibilities with Other Materials	strong acids, alkali or oxidizing agents.
Hazardous Decomposition Products	Carbon Monoxide and carbon Dioxide
Hazardous Polymerization	Not Known.



Section 11 - Toxicological Information

11.1 Information on toxicological effects
Acute toxicity
Acute oral toxicity : LD50 Oral Rat
Dose: > 300 mg/kg
Method: OECD Test Guideline 423
Acute inhalation toxicity : This information is not available.
Acute dermal toxicity : This information is not available.
Acute toxicity (other routes
of administration)
: No data is available on the product itself.
Skin corrosion/irritation
Skin irritation : Species: In vitro
Skin irritation
Method: OECD Test Guideline 439
Serious eye damage/eye irritation
Eye irritation : Species: In vitro
Eye irritation
Method: OECD Test Guideline 438
Respiratory or skin sensitisation

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Sensitisation : Open epicutaneous test Guinea pig

Classification: The product is a skin sensitiser, sub-category 1B.

Result: The product is a skin sensitiser, sub-category 1B.

Maximisation Test Guinea pig

Classification: The product is a skin sensitiser, sub-category 1A.



Result: The product is a skin sensitiser, sub-category 1A.

Method: Maximisation Test

Germ cell mutagenicity

Genotoxicity in vitro : Ames test
negative

Method: OECD Test Guideline 471

In vitro mammalian cell gene mutation test
negative

Method: OECD Test Guideline 490

negative

Method: OECD Test Guideline 487

Carcinogenicity

Carcinogenicity : No data is available on the product itself.

Reproductive toxicity

Reproductive toxicity : No data is available on the product itself.

Target Organ Systemic Toxicant - Single exposure

Target Organ Systemic

Toxicant - Single exposure

: No data is available on the product itself.

Target Organ Systemic Toxicant - Repeated exposure

Target Organ Systemic

Toxicant - Repeated

exposure

: Species: Rat, male and female

Application Route: Oral

NOAEL: 125 mg/kg

Method: OECD Test Guideline 422

Aspiration hazard

Aspiration toxicity : No data is available on the product itself.

Phototoxicity

Phototoxicity : Phototoxicity Guinea pig

Result:negative

Photoallergy Guinea pig

Result:negative

Further information : no data available

Section 12 - Ecological Information

Other .None Available.

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Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Not Regulated	Not Regulated	Not Regulated
Hazard Class:			
UN Number:			

Section 15 - Regulatory Information

European/International Regulations:

European Labeling in Accordance with EC Directives



Hazard Symbols:

Risk Phrases: R20/21/22

R36/37/38

Safety Phrases: Not Available.

United Kingdom Occupational Exposure Limits: Not Known.

Canada : Product is on the DSL list.

Exposure Limits

US FEDERAL

TSCA : Product is listed on the TSCA list.

Section 16 - Additional Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages. -----