

THE AROMAVERSE-FZCO

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

Lysmeral

Section 1 - Chemical Product and Company Identification

MSDS Name : Lysmeral

Synonyms : 2-(4-tert.-butylbenzyl) propionaldehyde

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#
80-54-6	Lysmeral	99%Min	-

Hazard Symbols: None Available

Risk Phrases: None Known.

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

POTENTIAL HEALTH EFFECTS

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Aquatic Chronic 3 Hazardous to the aquatic environment - chronic

Aquatic Acute 2 Hazardous to the aquatic environment - acute

Repr. 1B (fertility) Reproductive toxicity

Skin Sens. 1 Skin sensitization

Skin Corr./Irrit. 2 Skin corrosion/irritation

Acute Tox. 4 (oral) Acute toxicity

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Flam. Liq. 4 Flammable liquids

Repr. 2 (unborn child) Reproductive toxicity

Label elements



Pictogram:

Signal Word:

Danger

Hazard Statement:

H227 Combustible liquid.

H315 Causes skin irritation.

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H360 May damage fertility. Suspected of damaging the unborn child.

H412 Harmful to aquatic life with long lasting effects.

H401 Toxic to aquatic life.

Precautionary Statements (Prevention):

P280 Wear protective gloves, protective clothing and eye protection or face protection.

P261 Avoid breathing mist or vapour or spray.

P273 Avoid release to the environment.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P272 Contaminated work clothing should not be allowed out of the workplace.

P270 Do not eat, drink or smoke when using this product.

P264 Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

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

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you

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feel unwell.

P308 + P313 IF exposed or concerned: Get medical attention.

P330 Rinse mouth

P332 + P313 If skin irritation occurs: Get medical attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P370 + P378 In case of fire: Use alcohol-resistant foam, carbon dioxide, dry powder or water spray for extinction.

Precautionary Statements (Storage):

P405 Store locked up.

P403 Store in a well-ventilated place.

Precautionary Statements (Disposal):

P501 Dispose of contents/container in accordance with local regulations.

Hazards not otherwise classified

No data available.

Labeling of special preparations (GHS):

The following percentage of the mixture consists of component(s) with unknown hazards regarding

the acute toxicity: 0.5 %

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.

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

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

Form: liquid

Odour: flowery, lily of the valley-like

Odour threshold: < 100 ppm

Colour: colourless

pH value: approx. 7

Freezing point: < -20 °C (other)

Melting point: No data available.

Boiling point: 279.5 °C

(1,013 hPa)

(other)

Sublimation point: No applicable information available.

Flash point: 79 °C (Directive

92/69/EEC, A.9,

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closed cup)

Flammability: Combustible liquid. (derived from flash point)

Lower explosion limit: 0.5 %(V)

(119 °C)

(air)

Upper explosion limit: For liquids not relevant for classification and labelling.

Autoignition: 257 °C (Directive

92/69/EEC, A.15)

Vapour pressure: 0.0025 hPa

(20 °C)

dynamic

(BASF method)

0.17 hPa

(68 °C)

Density: 0.9408 g/cm³

(25 °C)

(ISO 2811-3)

0.9390 g/cm³

(20 °C)

(other)

Relative density: 0.9390

(20 °C)

Literature data.

(other)

Vapour density: > 1

Heavier than air.

Partitioning coefficient noctanol/water (log Pow):

4.2

(24 °C)

(OECD Guideline

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117)

Self-ignition

temperature:

not self-igniting

Thermal decomposition: > 380 °C (DSC (OECD 113))

Viscosity, dynamic: 12.3 mPa.s

(20 °C)

The value was determined by calculation from the detected kinematic viscosity.

(OECD 114)

5.59 mPa.s

(40 °C)

The value was determined by calculation from the detected kinematic viscosity.

(OECD 114)

Viscosity, kinematic: 13.0 mm²/s

(20 °C)

(OECD 114)

6.01 mm²/s

(40 °C)

(OECD 114)

Particle size: The substance / product is marketed or used in a non solid or granular form.

Solubility in water: 0.033 g/l

(20 °C)

Miscibility with water: immiscible

Solubility (quantitative): No applicable information available.

Solubility (qualitative): soluble

solvent(s): organic solvents,

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Molar mass: No data available.

Evaporation rate: Value can be approximated from Henry's Law Constant or vapor

pressure.



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

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin

contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Of moderate toxicity after single ingestion. Virtually nontoxic after a single skin contact.

Oral

Type of value: LD50

Species: rat

Value: 1,390 mg/kg (BASF-Test)

Inhalation

No data available.

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Dermal

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg (BASF-Test)

No mortality was observed.

Assessment other acute effects

Assessment of STOT single:

Based on available data, the classification criteria are not met.

Irritation / corrosion

Assessment of irritating effects: Skin contact causes irritation. Not irritating to the eyes.

Skin

Species: rabbit

Result: Irritant.

Method: OECD Guideline 404

Eye

Species: rabbit

Result: non-irritant

Method: BASF-Test

Sensitization

Assessment of sensitization: Caused skin sensitization in animal studies. Caused sensitization in humans.

Mouse Local Lymph Node Assay (LLNA)

Species: mouse

Result: sensitizing

Patch-Test

Species: human

Result: sensitizing

Method: other

Aspiration Hazard

No data available.

Chronic Toxicity/Effects

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Repeated dose toxicity

Assessment of repeated dose toxicity: The substance may cause damage to the liver after repeated ingestion.



Genetic toxicity

Assessment of mutagenicity: In the majority of tests performed (bacteria/microorganisms/cell cultures) a mutagenic effect was not found. A mutagenic effect was also not observed in in-vivo assays.

Carcinogenicity

Assessment of carcinogenicity: No data was available concerning carcinogenic activity.

Reproductive toxicity

Assessment of reproduction toxicity: Causes impairment of fertility in laboratory animals.

Teratogenicity

Assessment of teratogenicity: Indications of possible developmental toxicity/teratogenicity were seen in animal studies. Effects observed at maternally toxic doses.



Section 12 - Ecological Information

Other .None Available.

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

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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

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arising, even if the company has been advised of the possibility of such damages. -----

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