

THE AROMAVERSE-FZCO

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

ALDEHYDE C-12 LAURIC

Section 1 - Chemical Product and Company Identification

MSDS Name : Aldehyde C-12 Lauric(Dodecanal)

Synonyms : 1-Dodecanal Lauraldehyde


Company Identification THE AROMAVERSE-FZCO

A6-3648479202, Premises No. A6-003-B ,
IFZA Business Park, DDP. DUBAI, UNITED ARAB EMIRATES.

Email: info@aromaverse.net

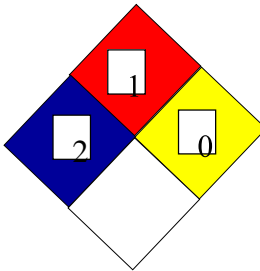
Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	%	EINECS#
112-54-9	Aldehyde C-12 Lauric	99%Min	-

2.1	Classification of the substance/preparation according to Regulation 1910.1200 [GHS]	<p>Classification</p> <ul style="list-style-type: none"><input type="checkbox"/> Skin Irrit. 2<input type="checkbox"/> Eye Irrit. 2<input type="checkbox"/> Skin Sens. 1B Hazard statement<input type="checkbox"/> H315 Causes skin irritation.<input type="checkbox"/> H319 Causes serious eye irritation.<input type="checkbox"/> H317 May cause an allergic skin reaction. Signal <p>Word: Warning Hazard pictogram:</p>  <p>GHS07</p> <p>Precautionary statements P261: Avoid breathing dust/fume/gas/mist/vapours/spray.</p>
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		<p>P264: Wash ... thoroughly after handling. P272: Contaminated work clothing should not be allowed out of the workplace. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water/... P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P337+P313: If eye irritation persists: Get medical advice/attention. P362: Take off contaminated clothing. P501: Dispose of contents/container to an approved waste disposal plant in accordance with local/regional/national /international regulations. Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>
2.2	Other Information	<p>Hazard Ratings : NFPA (scale 0 - 4) Health: 2 Flammability: 1 Reactivity: 0</p> <p>Hazard Ratings : HMIS Health: 2 Flammability: 1 Reactivity: 0</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 20px;"> <p>HEALTH 1 FLAMMABILITY 0 REACTIVITY 0 PROTECTIVE EQUIPMENT</p> </div>  </div> <p>NFPA (National Fire Protection Association) Ratings: Health: 2 Flammability: 1 Instability: 0 HMIS (Hazardous Materials Identification System) Ratings: Health: 2 Flammability: 1 Reactivity (Stability): 0 Personal Protection: X Key: 0=Insignificant; 1=Slight; 2=Moderate; 3=High; 4=Extreme. An asterisk appearing after the HMIS Health numerical rating denotes a chronic hazard.</p>

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

POTENTIAL HEALTH EFFECTS

Eye

May cause irritation in the eyes

Skin

May cause irritation on the skin



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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.

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



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Section 9 - Physical and Chemical Properties

9.1.	Information on basic physical and chemical properties	(a) Appearance: Liquid (b) Color: Colorless (c) Odor: Strong, Rosy, Waxy, Aldehydic. (d) pH: Not determined (e) Melting point/freezing point: 12.5 °C (f) Boiling point : 239 °C (g) Flash point: 116 °C (h) Decomposition point: Not determined (i) Vapour pressure : 0.7 Pa at 20 °C. (j) Specific gravity @ 25°C : 0.8250 - 0.8360 (k) Refractive Index @ 25°C : 1.4320 - 1.4370 (l) Flammability (solid, gas): Not flammable
		(m) Auto-ignition temperature: Product is not self igniting (n) Danger of explosion: Product does not present an explosion hazard (o) Upper/lower flammability or explosive limits: Not applicable (p) Solubility(ies): (water) 1.6 mg/L (q) Viscosity (Dynamic): 3.9 mm ² /s at 20 ± 0.5 °C and 2.5 mm ² /s at 40 ± 0.5 °C (r) Partition coefficient: n-octanol/water: 4.9 (Log Pow)
9.2.	Other information	Surface tension: 63.9 to 64.2 mN/m at 18.2 ± 0.5°C

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.



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Section 11 - Toxicological Information

11.1	Information on toxicological effects	Oral	LD50	23,100 mg/kg bw (Rat) Sprague-Dawley male/female
		Dermal	LD50	> 2000 mg/kg bw (New Zealand White Rabbit) male/female
	skin corrosion/irritation	Irritant to skin and mucous membranes. Type of test: Standard Draize test Species: Rabbit Dose duration: 500 mg/24 Hrs Reaction Severity: Moderate		
	serious eye damage/irritation	Irritating to eyes (Category 2).		

	Sensitization:	Sensitization possible through skin contact.
	Germ cell mutagenicity	Genetic toxicity (in-vitro): Negative Genetic toxicity (in-vivo): Negative
11.2	Numerical measures of toxicity (such as acute toxicity estimates)	Please refer section 11.1 above
11.3	Chemical if, listed in NTP or IARC or by OSHA as Carcinogens	IARC (International Agency for Research on Cancer): Not listed. NTP (National Toxicology Program): Not listed OSHA (Occupational Safety & Health Administration): Not listed
11.4	Other information	Repeated dose toxicity: The 'No Observed Adverse Effect Level' (NOAEL) was considered to be 20000 ppm (1409.7 mg/kg bw/day) Reproductive toxicity: The substance is not a reproductive toxin.

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

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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. -----



A handwritten signature in blue ink, appearing to be "M. M. M.", written over a horizontal line.

AromaVerse