# SAFETY DATA SHEET (SDS)

Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878 and GHS.

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**Aldehyde C-12 (Dodecanal aka Lauric)**

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## SECTION 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Aldehyde C-12 Lauric Dodecanal**

| Identifier | Value |
|---|---|
| EC No | 203-983-6 |
| CAS No | 112-54-9 |

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

Intended Use Fragrances : Perfume compound

### 1.3 Details of the supplier of the safety data sheet

**Company:**
**Aromology Trading LLC**
G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

**Website:** www.aromology.com
**Email:** info@aromology.com

### 1.4 Emergency telephone number

**Telephone:** +971 505197601

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## SECTION 2. Hazards identification

### 2.1 Classification of the substance or mixture

Classification (Globally Harmonized System)

Classification according to Classification procedure

The substance is classified as following according to REGULATION (EC) No 1272/2008

| Hazard Classification | Category | Hazard Code |
|---|---|---|
| Hazardous to the aquatic environment, long-term hazard | Category 2 | H411 |
| Skin corrosion/irritation | Category 2 | H315 |
| Sensitization, Skin | Category 1, 1A, 1B | H317 |
| Serious eye damage/eye irritation | Category 2A | H319 |

## 2.2 Label elements

Labelling (Globally Harmonized System)

Labelling according to REGULATION (EC) No 1272/2008

**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

**Precautionary statements:**

**Prevention**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash hands thoroughly after handling.
P264+P265 Wash hands thoroughly after handling. Do not touch eyes.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

**Response**

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.
P321 Specific treatment (see ... on this label).
P332+P317 If skin irritation occurs: Get medical help.
P333+P317 If skin irritation or rash occurs: Get medical help.
P337+P317 If eye irritation persists: Get medical help.
P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.

**Hazardous components which must be listed on the label:**

Aldehyde C-12 Lauric Dodecanal (112-54-9)

### 2.3 Other hazards

Adverse human health effects and symptoms

This substance/mixture is not listed in the list compiled in accordance with Regulation (EU) 1907/2006 Article 59(1).

Based on current scientific data available, the criteria of Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 for classifying this substance/mixture as an endocrine disruptor are not met.

Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

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## SECTION 3. Composition/information on ingredients

### 3.1 Substances

| Parameter | Value |
|---|---|
| Substance name | Aldehyde C-12 Lauric Dodecanal |
| EC No | 203-983-6 |
| CAS No | 112-54-9 |
| Molecular weight | 184.32 |
| Molecular formula | C12 H24 O |

| Chemical Name | CAS-No. / EC-No. | Concentration [%] | Classification according to GHS |
|---|---|---|---|
| Aldehyde C-12 Lauric Dodecanal | 112-54-9 / 203-983-6 | >= 90.0 - <= 100.0 | 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 |

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## SECTION 4. First aid measures

### 4.1 Description of first aid measures

**General advice:** Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later. Do not leave the victim unattended.

**If inhaled:** Move to fresh air. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

**In case of skin contact:** If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.

**In case of eye contact:** Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

**If swallowed:** Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Take victim immediately to hospital.

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

Symptoms Risks: no data available

IF ON SKIN: wash with plenty of water

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

Specific treatment (see ... on this label).

If skin irritation occurs: Get medical help.

If skin irritation or rash occurs: Get medical help.

If eye irritation persists: Get medical help.

Take off contaminated clothing and wash it before reuse.

Collect spillage.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment: no data available

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## SECTION 5. Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: Dry chemical Alcohol-resistant foam Carbon dioxide (CO2) Water spray

Unsuitable extinguishing: High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: Do not allow run-off from fire fighting to enter drains or water courses.

### 5.3 Advice for firefighters

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.

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## SECTION 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment. Ensure adequate ventilation.

### 6.2 Environmental precautions

Environmental precautions: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

Not applicable

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## SECTION 7. Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling: Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion: Do not spray on a naked flame or any incandescent material. Keep away from open flames, hot surfaces and sources of ignition.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: No smoking Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions: no data available

Advice on common storage: no data available

Other data: No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Not applicable

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## SECTION 8. Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

Personal protective equipment

**Hand protection:** The suitability for a specific workplace should be discussed with the producers of the protective gloves.

**Eye protection:** Eye wash bottle with pure water Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems.

**Skin and body protection:** impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures:** When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

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## SECTION 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Flash point: 101

Colour: Colourless liquid
Cas no: 112-54-9

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## SECTION 10. Stability and reactivity

### 10.1 Reactivity
none

### 10.2 Chemical stability
The product is chemically stable.

### 10.3 Possibility of hazardous reactions
Hazardous reactions: No decomposition if stored and applied as directed. Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid
Conditions to avoid: Heat, flames and sparks.

### 10.5 Incompatible materials
Materials to avoid: no data available

### 10.6 Hazardous decomposition products

Hazardous decomposition products: no data available
Thermal decomposition: no data available

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## SECTION 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Acute toxicity: Acute toxicity estimate Dose: 5000 mg/kg Method:
Acute toxicity: No data available
Acute inhalation toxicity: Not determined
Acute dermal toxicity: Acute toxicity estimate Dose: > 5 000 mg/kg
Acute dermal toxicity: No data available
Acute toxicity (other routes of administration): No data is available on the product itself.

#### Skin corrosion/irritation
Skin irritation: May cause skin irritation and/or dermatitis.

#### Serious eye damage/eye irritation
Eye irritation: May cause irreversible eye damage.

**Respiratory or skin sensitisation**
Sensitisation: No data is available on the product itself.

**Germ cell mutagenicity**
Germ cell mutagenicity: No data is available on the product itself.

**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: No data is available on the product itself.

**Aspiration hazard**
Aspiration toxicity: The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

**Phototoxicity**
Phototoxicity: No data is available on the product itself.
Further information: Solvents may degrease the skin.

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## SECTION 12. Ecological information

### 12.1 Toxicity

| Parameter | Information |
|---|---|
| Toxicity to fish | no data available |
| Toxicity to daphnia and other aquatic invertebrates | no data available |
| Toxicity to algae | no data available |
| Toxicity to bacteria | no data available |
| Toxicity to fish (Chronic toxicity) | no data available |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | no data available |
| Acute aquatic toxicity | no data available |
| Chronic aquatic toxicity | no data available |
| Toxicity Data on Soil | no data available |
| Other organisms relevant to the environment | no data available |
| Impact on Sewage Treatment | no data available |

### 12.2 Persistence and degradability
Biodegradability: no data available

### 12.3 Bioaccumulative potential
Bioaccumulation: no data available

### 12.4 Mobility in soil

Mobility: no data available
Distribution among environmental compartments: no data available
Additional advice Environmental fate and pathways: no data available
Physico-chemical removability: no data available

### 12.5 Results of PBT and vPvB assessment
no data available

### 12.6 Other adverse effects
Additional ecological information: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

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## SECTION 13. Disposal considerations

### 13.1 Waste treatment methods

**Product:** The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

**Contaminated packaging:** Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

Dispose of in accordance with local regulations.

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## SECTION 14. Transport information

### ADR/RID/ADN

| Parameter | Information |
|---|---|
| UN number | Not regulated |
| Description of the goods | Not regulated |
| Transport hazard class(es) | Not regulated |
| Packing group | Not regulated |
| Hazard Identification Number | Not regulated |
| Labels | Not regulated |

| | |
|---|---|
| Tunnel restriction code | Not regulated |
| Environmentally hazardous | Not regulated |

### IATA/ICAO

| Parameter | Information |
|---|---|
| UN number | Not regulated |
| Proper shipping name | Not regulated |
| Class | Not regulated |
| Packing group | Not regulated |
| Labels | Not regulated |
| Environmentally hazardous | Not regulated |
| Packing instruction (CAO) | Not regulated |
| Packing instruction (PAX) | Not regulated |
| Packing instruction (Ltd. Qty.) | Not regulated |

### IMDG

| Parameter | Information |
|---|---|
| UN number | Not regulated |
| Proper shipping name | Not regulated |
| Class | Not regulated |
| Packing group | Not regulated |
| Labels | Not regulated |
| EmS Fire | Not regulated |
| EmS Spillage | Not regulated |
| Marine pollutant | Not regulated |
| IMDG Code Segregation Group | Not regulated |

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## SECTION 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

no additional relevant information

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.

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## SECTION 16. Other information

### Additional information

National and local regulations concerning chemicals shall be observed. The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

### Relevant H- and EUH-phrases (Number and full text)

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

### Indication of changes

For other kinds of application or use at higher concentration levels, a new evaluation may be needed; please contact Aromology.

The IFRA standards regarding use restrictions are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM).

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.

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**Authorised by:**
Fozia Khot
Director