



DE HEKSERIJ

# Aldehyde C12 Lauric

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Issue date: 2/14/2024 Revision date: 11/18/2025 Supersedes version of: 12/11/2024 Version: 2.0

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

#### 1.1. Product identifier

|                        |                       |
|------------------------|-----------------------|
| Product form           | : Substance           |
| Substance name         | : Aldehyde C12 Lauric |
| IUPAC name             | : Dodecanal           |
| EC-No.                 | : 203-983-6           |
| CAS-No.                | : 112-54-9            |
| REACH registration No. | : 01-2119969441-33    |
| Product code           | : 23023               |
| Formula                | : C12H24O             |
| Product group          | : Trade product       |

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

##### 1.2.1. Relevant identified uses

|                              |                                  |
|------------------------------|----------------------------------|
| Intended for general public  |                                  |
| Main use category            | : Professional use, Consumer use |
| Use of the substance/mixture | : Fragrance raw material         |

##### 1.2.2. Uses advised against

No additional information available

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

De Hekserij  
Spoorstraat 57  
8271 RG IJsselmuiden  
Nederland  
T +31 383 557 927  
[hekserij@hekserij.nl](mailto:hekserij@hekserij.nl), [www.hekserij.nl](http://www.hekserij.nl)

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

|                                                                   |      |
|-------------------------------------------------------------------|------|
| Skin sensitisation, category 1B                                   | H317 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 2 | H411 |
| Full text of H- and EUH-statements: see section 16                |      |

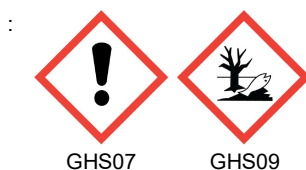
##### Adverse physicochemical, human health and environmental effects

May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS07

GHS09

Signal word (CLP)

: Warning

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|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard statements (CLP)        | : H317 - May cause an allergic skin reaction.<br>H411 - Toxic to aquatic life with long lasting effects.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Precautionary statements (CLP) | : P102 - Keep out of reach of children.<br>P273 - Avoid release to the environment.<br>P280 - Wear protective gloves, protective clothing.<br>P302+P352 - IF ON SKIN: Wash with plenty of soap and water.<br>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.<br>P362+P364 - Take off contaminated clothing and wash it before reuse.<br>P391 - Collect spillage.<br>P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

|                |                       |
|----------------|-----------------------|
| Substance type | : Mono-constituent    |
| Name           | : Aldehyde C12 Lauric |
| CAS-No.        | : 112-54-9            |
| EC-No.         | : 203-983-6           |

| Name      | Product identifier                                                   | %        | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-----------|----------------------------------------------------------------------|----------|-----------------------------------------------------------------|
| Dodecanal | CAS-No.: 112-54-9<br>EC-No.: 203-983-6<br>REACH-no: 01-2119969441-33 | 90 – 100 | Skin Sens. 1B, H317<br>Aquatic Chronic 2, H411                  |

Full text of H- and EUH-statements: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |                                                                                                                                    |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : If you feel unwell, seek medical advice.                                                                                         |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.                                                                   |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact  | : Rinse eyes with water as a precaution.                                                                                           |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.                                                                             |
| Self protection of the first-aiders   | : First aid workers will be equipped with suitable personal protective equipment.                                                  |

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

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| Symptoms/effects after inhalation   | : None under normal conditions.        |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. |
| Symptoms/effects after eye contact  | : None under normal conditions.        |
| Symptoms/effects after ingestion    | : None under normal conditions.        |

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

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.  
Unsuitable extinguishing media : Do not use a heavy water stream.

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

Fire hazard : No fire hazard.  
Explosion hazard : No direct explosion hazard.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Advice for firefighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.  
Absorb spillage to prevent material damage.

##### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.  
Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.  
Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.  
Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

|                     |                                                                             |
|---------------------|-----------------------------------------------------------------------------|
| Technical measures  | : Keep in a cool, well-ventilated place away from heat.                     |
| Storage conditions  | : Keep cool. Protect from sunlight.                                         |
| Packaging materials | : Store always product in container of same material as original container. |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

| Aldehyde C12 Lauric (112-54-9)           |                           |
|------------------------------------------|---------------------------|
| DNEL/DMEL (Workers)                      |                           |
| Long-term - systemic effects, dermal     | 14.1 mg/kg bodyweight/day |
| Long-term - local effects, dermal        | 0.57 µg/cm²               |
| Long-term - systemic effects, inhalation | 49.7 mg/m³                |
| DNEL/DMEL (General population)           |                           |
| Long-term - systemic effects, oral       | 7 mg/kg bodyweight/day    |
| Long-term - systemic effects, inhalation | 12.3 mg/m³                |
| Long-term - systemic effects, dermal     | 7 mg/kg bodyweight/day    |
| Long-term - local effects, dermal        | 0.28 µg/cm²               |
| PNEC (Water)                             |                           |
| PNEC aqua (freshwater)                   | 0.0035 mg/l               |
| PNEC aqua (marine water)                 | 0.00035 mg/l              |
| PNEC aqua (intermittent, freshwater)     | 0.035 mg/l                |
| PNEC (Sediment)                          |                           |
| PNEC sediment (freshwater)               | 1.41 mg/kg dwt            |
| PNEC sediment (marine water)             | 0.141 mg/kg dwt           |
| PNEC (Soil)                              |                           |
| PNEC soil                                | 0.278 mg/kg dwt           |
| PNEC (Oral)                              |                           |
| PNEC oral (secondary poisoning)          | 313 mg/kg food            |
| PNEC (STP)                               |                           |
| PNEC sewage treatment plant              | 10 mg/l                   |

#### 8.1.5. Control banding

No additional information available

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### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Wear recommended personal protective equipment.

##### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Protective gloves

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

##### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                            |                                                          |
|--------------------------------------------|----------------------------------------------------------|
| Physical state                             | : Liquid                                                 |
| Molecular mass                             | : 184.3 g/mol                                            |
| Colour                                     | : Colourless.                                            |
| Odour                                      | : No data available                                      |
| Odour threshold                            | : No data available                                      |
| pH                                         | : 6                                                      |
| pH solution concentration                  | : 10 g/l                                                 |
| Relative evaporation rate (butylacetate=1) | : No data available                                      |
| Melting point                              | : 12.5 °C                                                |
| Freezing point                             | : No data available                                      |
| Boiling point                              | : 239 °C                                                 |
| Flash point                                | : 115.5 °C Atm. press.: 101325 Pa                        |
| Auto-ignition temperature                  | : 205 °C Method: DIN 51794                               |
| Decomposition temperature                  | : No data available                                      |
| Flammability (solid, gas)                  | : Not applicable                                         |
| Vapour pressure                            | : 0.7 Pa Temp.: 20 °C                                    |
| Relative vapour density at 20°C            | : No data available                                      |
| Relative density                           | : No data available                                      |
| Density                                    | : 831.5 kg/m³ Temp.: 20 °C                               |
| Solubility                                 | : Practically insoluble.<br>Water: 1.6 mg/l Temp.: 20 °C |

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|                                                 |                                       |
|-------------------------------------------------|---------------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | : 4.9                                 |
| Viscosity, kinematic                            | : 3.9 mm <sup>2</sup> /s Temp.: 20 °C |
| Viscosity, dynamic                              | : No data available                   |
| Explosive properties                            | : No data available                   |
| Oxidising properties                            | : No data available                   |
| Explosive limits                                | : No data available                   |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| Dodecanal (112-54-9) |                                        |
|----------------------|----------------------------------------|
| LD50 oral rat        | 23100 mg/kg bodyweight Animal: rat     |
| LD50 dermal rabbit   | > 2000 mg/kg bodyweight Animal: rabbit |

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Skin corrosion/irritation         | : Not classified<br>pH: 6              |
| Serious eye damage/irritation     | : Not classified<br>pH: 6              |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Germ cell mutagenicity            | : Not classified                       |
| Carcinogenicity                   | : Not classified                       |
| Reproductive toxicity             | : Not classified                       |

| Dodecanal (112-54-9)        |                                                                          |
|-----------------------------|--------------------------------------------------------------------------|
| LOAEL (animal/female, F0/P) | 1500 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: other: |
| STOT-single exposure        | : Not classified                                                         |
| STOT-repeated exposure      | : Not classified                                                         |
| Aspiration hazard           | : Not classified                                                         |

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### Aldehyde C12 Lauric (112-54-9)

|                      |                                     |
|----------------------|-------------------------------------|
| Viscosity, kinematic | 3.9 mm <sup>2</sup> /s Temp.: 20 °C |
|----------------------|-------------------------------------|

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                    |
|-----------------------------------------------------------|----------------------------------------------------|
| Ecology - general                                         | : Toxic to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified.                                  |
| Hazardous to the aquatic environment, long-term (chronic) | : Toxic to aquatic life with long lasting effects. |

### Dodecanal (112-54-9)

|                      |                                                                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]      | ≈ 2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)                                                    |
| EC50 - Crustacea [1] | > 0.27 mg/l Test organisms (species): Daphnia magna                                                                                          |
| EC50 72h - Algae [1] | > 0.048 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2] | > 0.35 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)  |
| NOEC chronic fish    | > 0.23 mg/l Test organisms (species): Danio rerio                                                                                            |

### 12.2. Persistence and degradability

#### Aldehyde C12 Lauric (112-54-9)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
| Biodegradation                | 73 %                   |

#### Dodecanal (112-54-9)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

### 12.3. Bioaccumulative potential

#### Aldehyde C12 Lauric (112-54-9)

|                                                 |     |
|-------------------------------------------------|-----|
| Partition coefficient n-octanol/water (Log Pow) | 4.9 |
|-------------------------------------------------|-----|

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                            |                                                                                               |
|--------------------------------------------|-----------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                    |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                    |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations.                                    |

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Additional information : Do not re-use empty containers.

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                                                                            | IMDG                                                                                                        | IATA                                                                                      | ADN                                                                                       | RID                                                                                       |
|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>14.1. UN number</b>                                                                         |                                                                                                             |                                                                                           |                                                                                           |                                                                                           |
| UN 3082                                                                                        | UN 3082                                                                                                     | UN 3082                                                                                   | UN 3082                                                                                   | UN 3082                                                                                   |
| <b>14.2. UN proper shipping name</b>                                                           |                                                                                                             |                                                                                           |                                                                                           |                                                                                           |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aldehyde C12 Lauric)                      | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aldehyde C12 Lauric)                                   | Environmentally hazardous substance, liquid, n.o.s. (Aldehyde C12 Lauric)                 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aldehyde C12 Lauric)                 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aldehyde C12 Lauric)                 |
| <b>Transport document description</b>                                                          |                                                                                                             |                                                                                           |                                                                                           |                                                                                           |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aldehyde C12 Lauric), 9, III, (-) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aldehyde C12 Lauric), 9, III, MARINE POLLUTANT | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Aldehyde C12 Lauric), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aldehyde C12 Lauric), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aldehyde C12 Lauric), 9, III |
| <b>14.3. Transport hazard class(es)</b>                                                        |                                                                                                             |                                                                                           |                                                                                           |                                                                                           |
| 9                                                                                              | 9                                                                                                           | 9                                                                                         | 9                                                                                         | 9                                                                                         |
|             |                          |        |       |      |
| <b>14.4. Packing group</b>                                                                     |                                                                                                             |                                                                                           |                                                                                           |                                                                                           |
| III                                                                                            | III                                                                                                         | III                                                                                       | III                                                                                       | III                                                                                       |
| <b>14.5. Environmental hazards</b>                                                             |                                                                                                             |                                                                                           |                                                                                           |                                                                                           |
| Dangerous for the environment: Yes                                                             | Dangerous for the environment: Yes<br>Marine pollutant: Yes                                                 | Dangerous for the environment: Yes                                                        | Dangerous for the environment: Yes                                                        | Dangerous for the environment: Yes                                                        |
| No supplementary information available                                                         |                                                                                                             |                                                                                           |                                                                                           |                                                                                           |

### 14.6. Special precautions for user

#### Overland transport

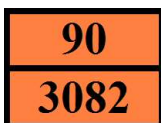
|                                                           |                           |
|-----------------------------------------------------------|---------------------------|
| Classification code (ADR)                                 | : M6                      |
| Special provisions (ADR)                                  | : 274, 335, 375, 601, 650 |
| Limited quantities (ADR)                                  | : 5I                      |
| Excepted quantities (ADR)                                 | : E1                      |
| Packing instructions (ADR)                                | : P001, IBC03, LP01, R001 |
| Special packing provisions (ADR)                          | : PP1                     |
| Mixed packing provisions (ADR)                            | : MP19                    |
| Portable tank and bulk container instructions (ADR)       | : T4                      |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP29               |
| Tank code (ADR)                                           | : LGBV                    |
| Vehicle for tank carriage                                 | : AT                      |
| Transport category (ADR)                                  | : 3                       |
| Special provisions for carriage - Packages (ADR)          | : V12                     |

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Special provisions for carriage - Loading, unloading and handling (ADR) : CV13  
Hazard identification number (Kemler No.) : 90  
Orange plates :



Tunnel restriction code (ADR) : -

### Transport by sea

Special provisions (IMDG) : 274, 335, 375, 969  
Limited quantities (IMDG) : 5 L  
Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : LP01, P001  
Special packing provisions (IMDG) : PP1  
IBC packing instructions (IMDG) : IBC03  
Tank instructions (IMDG) : T4  
Tank special provisions (IMDG) : TP1, TP29  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-F  
Stowage category (IMDG) : A

### Air transport

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y964  
PCA limited quantity max net quantity (IATA) : 30kgG  
PCA packing instructions (IATA) : 964  
PCA max net quantity (IATA) : 450L  
CAO packing instructions (IATA) : 964  
CAO max net quantity (IATA) : 450L  
Special provisions (IATA) : A97, A158, A197, A215  
ERG code (IATA) : 9L

### Inland waterway transport

Classification code (ADN) : M6  
Special provisions (ADN) : 274, 335, 375, 601, 650  
Limited quantities (ADN) : 5 L  
Excepted quantities (ADN) : E1  
Carriage permitted (ADN) : T  
Equipment required (ADN) : PP  
Number of blue cones/lights (ADN) : 0

### Rail transport

Classification code (RID) : M6  
Special provisions (RID) : 274, 335, 375, 601, 650  
Limited quantities (RID) : 5L  
Excepted quantities (RID) : E1  
Packing instructions (RID) : P001, IBC03, LP01, R001  
Special packing provisions (RID) : PP1  
Mixed packing provisions (RID) : MP19  
Portable tank and bulk container instructions (RID) : T4  
Portable tank and bulk container special provisions (RID) : TP1, TP29  
Tank codes for RID tanks (RID) : LGBV  
Transport category (RID) : 3  
Special provisions for carriage – Packages (RID) : W12  
Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW31  
Colis express (express parcels) (RID) : CE8  
Hazard identification number (RID) : 90

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### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

###### EU restriction list (REACH Annex XVII)

| Reference code | Applicable on                      | Entry title or description                                                                                                                                                                                                                                                                                        |
|----------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3(b)           | Aldehyde C12 Lauric ;<br>Dodecanal | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 3(c)           | Aldehyde C12 Lauric ;<br>Dodecanal | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1                                                                                                                                         |

##### REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

##### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

##### Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed  
SZW-lijst van mutagene stoffen : The substance is not listed  
SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed  
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : The substance is not listed  
SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# Aldehyde C12 Lauric

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 16: Other information

#### Abbreviations and acronyms:

|         |                                                                                                 |
|---------|-------------------------------------------------------------------------------------------------|
| ACGIH   | American Conference of Government Industrial Hygienists                                         |
| ADN     | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR     | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE     | Acute Toxicity Estimate                                                                         |
| BCF     | Bioconcentration factor                                                                         |
| BLV     | Biological limit value                                                                          |
| BOD     | Biochemical oxygen demand (BOD)                                                                 |
| CAS-No. | Chemical Abstract Service number                                                                |
| CLP     | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |
| COD     | Chemical oxygen demand (COD)                                                                    |
| CSA     | Chemical safety assessment                                                                      |
| DMEL    | Derived Minimal Effect level                                                                    |
| DNEL    | Derived-No Effect Level                                                                         |
| EC-No.  | European Community number                                                                       |
| EC50    | Median effective concentration                                                                  |
| ED      | Endocrine disruptor                                                                             |
| EN      | European Standard                                                                               |
| EWC     | European waste catalogue                                                                        |
| IARC    | International Agency for Research on Cancer                                                     |
| IATA    | International Air Transport Association                                                         |
| IMDG    | International Maritime Dangerous Goods                                                          |
| LC50    | Median lethal concentration                                                                     |
| LD50    | Median lethal dose                                                                              |
| LOAEL   | Lowest Observed Adverse Effect Level                                                            |
| Log Kow | Partition coefficient n-octanol/water (Log Kow)                                                 |
| Log Pow | Partition coefficient n-octanol/water (Log Pow)                                                 |
| MAK     | maximum workplace concentration                                                                 |
| NOAEC   | No-Observed Adverse Effect Concentration                                                        |
| NOAEL   | No-Observed Adverse Effect Level                                                                |
| NOEC    | No-Observed Effect Concentration                                                                |
| N.O.S.  | Not Otherwise Specified                                                                         |
| OECD    | Organisation for Economic Co-operation and Development                                          |
| OEL     | Occupational Exposure Limit                                                                     |
| OSHA    | Occupational Safety Health Administration                                                       |
| PBT     | Persistent Bioaccumulative Toxic                                                                |
| PNEC    | Predicted No-Effect Concentration                                                               |
| PPE     | Personal protection equipment                                                                   |

# Aldehyde C12 Lauric

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### Abbreviations and acronyms:

|      |                                                                              |
|------|------------------------------------------------------------------------------|
| RID  | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS  | Safety Data Sheet                                                            |
| STP  | Sewage treatment plant                                                       |
| TF   | Technical function                                                           |
| ThOD | Theoretical oxygen demand (ThOD)                                             |
| TLM  | Median Tolerance Limit                                                       |
| TWA  | Time Weighted Average                                                        |
| VOC  | Volatile Organic Compounds                                                   |
| vPvB | Very Persistent and Very Bioaccumulative                                     |
| UFI  | Unique Formula Identifier                                                    |

### Full text of H- and EUH-statements:

|                   |                                                                   |
|-------------------|-------------------------------------------------------------------|
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Skin Sens. 1B     | Skin sensitisation, category 1B                                   |
| H317              | May cause an allergic skin reaction.                              |
| H411              | Toxic to aquatic life with long lasting effects.                  |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.