

## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### ISOAMYL LAURATE

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

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Trade name: Isoamyl Laurate  
I.N.C.I. Isoamyl Laurate  
CAS No. : 6309-51-9  
EINESCS No. : 228-626-1  
REACH pre-registration No. : na  
Utilization: Raw material for cosmetics  
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania  
Tel/Fax: +40259-436.755, [www.elemental.com](http://www.elemental.com)  
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.  
International emergency number: +49 180 2273-112

#### 2. Hazards Identification

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Classification:

GHS / CLP

Basis for Classification: Based on present data no classification and labeling is required according to GHS, taking into account the national implementation (United Nations version 2011)

Europe

Basis for Classification: -According to present data no classification and labeling is required according to Reg. (EC) No 1272/2008.

This product is not classified as hazardous to health or environment according to the CLP regulation.

Labeling Elements: --

Pictograph: No hazard symbol expected

Hazard statements/Signal Word: Not applicable

Precautionary statements:

P233: Keep container tightly closed

P281: Use personal protective equipment as required

P402: Store in a dry place

P404: Store in a closed container

P410: Protect from sunlight

P411: Store at temperatures not exceeding 32°C

Other hazards which do not result in classification:

No particular fire or explosion hazard.

By mechanical effect: No particular hazards.

By hygroscopic effect: No particular hazards.

#### 3. Declaration of ingredients

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Common Chemical Name: Isoamyl Laurate

Generic name: Isopentyllaurat

Description: Substance

#### 4. First aid measures

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General:

In all cases of doubt, or when symptoms persist, seek medical attention.

Inhalation:

Move to fresh air from exposure area. Put victim at rest and keep warm. In case of irregular breathing or respiratory arrest provide artificial respiration. Get medical attention for any breathing difficulty.

Skin contact:

Immediately take off all contaminated clothing. Wash immediately with plenty of soap and water. Do not use solvents or thinners.

Eye contact:

Immediately rinse with plenty of water for at least 15 minutes, while keeping the eyes wide open. Remove contact lenses, if present and easy to do. Continue rinsing. Consult with a physician for any eye irritation.

Ingestion:

Never give anything by mouth to an unconscious person. In case of irregular breathing or respiratory arrest provide artificial respiration. If symptoms persist, call a physician.

#### 5. Fire fighting measures

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Fire and explosion hazards: Not considered to be a fire and explosion hazard

Extinguishing media:

Suitable: Dry powders, foam and carbon dioxide

Not suitable: Water

Fire fighting: Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low area. Do not allow water used to distinguish to enter drains, ground or waterways. Treat runoff as hazardous.

Protection for fire-fighters: Boots, gloves, goggles and self-contained breathing apparatus

Special exposure hazards arising from the substance: Gases: Carbon monoxide, carbon dioxide

#### 6. Accidental release measures

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Personal precautions: Avoid contact with eyes.

Personal Protective Equipment:

Protective goggles

Material can create slippery conditions.

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Environmental precautions: Prevent entry into sewers and waterways. Do not allow material to contaminate ground water system. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

Methods for cleaning up:

Recovery: Pick up free liquid for recycling or disposal. Residual liquid can be absorbed on an inert material (e.g. sand, earth, vermiculite, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with local regulations.

Cleaning/Decontamination: Clean using cleansing agents. Do not use solvents.

Disposal: For disposal of residues refer to sections 8 & 13.

## 7. Handling and storage

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Handling

Technical measures: Labeling: Keep out of the reach of children.

Measures: For industrial use, only as directed.

Safe handling advice: Wash hands after use. Avoid storage near feed or food stuff.

Storage

Technical measures: Keep container tightly closed.

Recommended Storage Conditions: Store in accordance with the Ordinance on Industrial Safety and Health (BetrSIVO).

## 8. Exposure controls / personal protection

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Precautionary statements: Ensure adequate ventilation

Control parameters

Occupational exposure Limits:

France: Not Determined

ACGIH: Not Determined

Korea: Not Determined

UK: Not Determined

Surveillance procedures: Not Determined

Engineering measures: Not Determined

Personal Protective Equipment:

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Hand protection: Protective gloves

Eye protection: Eye/face protection

Skin and Body Protection: Suitable protective clothing

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Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Protective measures: After contact clean skin thoroughly with water and soap.

Measures related to the Environment: No particular measures.

#### 9. Physical and chemical properties

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Appearance: Liquid

Color: yellowish

Odor: Characteristic

Viscosity (T = 40°C): 3.9 mPas

Boiling Point: >150°C

Melting point: na

Flash point: > 160°C

Ignition Temperature: 250°C

Solubility:

In water: Practically Insoluble

In organic solvents: Not determined

Log P: Not determined

#### 10. Stability and reactivity

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Stability: Stable under ordinary conditions of use and storage

Hazardous reactions: None known

Conditions to avoid: No dangerous reactions known under use of normal conditions.

Materials to avoid: Keep away from strongly acidic and alkaline materials as well as oxidizers.

Hazardous decomposition products: None known

#### 11. Toxicological information

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Ingestion: Not Determined

Irritant and Corrosive Effects: Non-Irritant (RIPT)

Ocular: Mild Irritant (HET-CAM)

Inhalation: Not Determined

Acute toxicity: < 2,000 mg/kg (LD50, Rat, Oral)

Sensitization: Non-Sensitizers (RIPT)

Specific Target Organic Toxicity (Single Exposure): Not Determined

CMR Effects: No experimental indications of mutagenicity in-vitro exist (AMES)

Overall Assessment on CMR Properties: This substance does not meet the criteria for classification as CMR Category 1 or 2.

Aspiration Hazard: Not Determined

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#### 12. Ecological information

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Ecotoxicity

Effects on the aquatic environment: Not Determined

Biodegradability:

Persistence: 100% (28d, OECD 301B / ISO 9439 / EEC 92/69 annex V, C.4-C)

Biodegradation: Readily Biodegradable

Bioaccumulation:

Octanol / water partition coefficient: Not Determined

Mobility:

Precipitation: Expected behavior of the product: Not determined

Other Adverse Effects: None known

#### 13. Disposal considerations

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Residues from product

Do not allow the product to be released into water, drains or into the Environment.

Destruction/Disposal: This material and its container must be disposed of in accordance with relevant local regulations.

Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding version, covering waste and dangerous waste.

Contaminated packaging

Decontamination/cleaning:

Destruction/Disposal: Cleaned containers may be recycled. Vessels not properly emptied are special waste

Note: Take all necessary precautions when disposing of this product according to local regulations.

#### 14. Transport information

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UN Number: None

UN Shipping Name: None

Transport Hazard Class: Not classified as dangerous for transport

Land (rail/road): Material is not restrictive for land transport and is not regulated by ADR/RID

Sea: Material is not restrictive for sea transport and is not regulated by IMO/IMDG

Air: Material is not restrictive for air transport and is not regulated by ICAO/IATA

Marine Pollutant: No

Transport/Additional Information: Not regulated for US DOT Transport in non-bulk containers

This material is not dangerous or hazardous

Special Precautions for User: None known

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#### 15. Regulatory information

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##### Labeling:

EC regulations: This product does not need to be labeled in accordance with EC Directives or respective national laws

Information on working limitations: Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juveniles according to the Juvenile Work Protection Guideline (94/33/EC).

##### Further regulations

##### United Kingdom:

Handle in accordance with relevant British regulation: control of substance Hazardous to Health Regulations  
Environmental

Hygiene Guidance: EH40

Workplace Exposure Limits (revised annually)

##### Other regulations:

EINECS inventory status: Isoamyl Laurate: 228-626-1

TSCA inventory status: Exempt

AICS inventory status: 6309-51-9

Canadian (CEPA DSL) inventory status: Listed as Dodecanoic acid, 3-methylbutyl ester (DSL)

Japan (MITI list): Isoamyl Laurate

Korea: Isoamyl Laurate

China inventory status: Isoamyl Laurate

Philippines inventory status: Listed as Dodecanoic acid, 3-methylbutyl ester

#### 16. Additional information

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##### Texts of the legislative phrases mentioned in section 2:

H318: Causes serious eye damage

H412: Harmful to aquatic life with long lasting effects

H302: Harmful if swallowed

##### Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects

Eye Dam. 1: H318 - Causes serious eye damage

##### Classification procedure:

Eye Dam. 1: Calculation method

Aquatic Chronic 3: Calculation method

Acute Tox. 4: Calculation method

##### Advice related to training:

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

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#### Principal bibliographical sources:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

#### Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

Log-POW: Octanol-water partition coefficient

Koc: Partition coefficient of organic carbon

#### Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.