

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Product : MANZANATE
Chemical identification : Ethyl 2-methylvalerate
CAS : 39255-32-8
EC Number : 254-384-1
Registration number (REACH) : Not applicable according to article 2 Regulation 1907/2006
Index No. :

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

Relevant identified uses of the substance or mixture: Industrial uses. Formulation [mixing] of preparations..
Uses advised against: Other uses than those recommended.

1.3 Details of the supplier of the safety data sheet

Lluch Essence, SLU
C/ Lo Gaiter de Llobregat 160, 08820 El Prat de Llobregat, Barcelona (Spain - Spain)
Phone Number: +34 93 379 38 49; Fax: +34 93 478 27 54.

1.4 Emergency telephone number

Tel. +34 933 793 849 (8:00 - 17:00 GMT/UTC +1)
Tel. +1 760 476 3961 Access Code: 335550 (available 24/7 - Verisk 3E)
More emergency telephones by region:
<http://old.lluche.com/Emergencytelephones.pdf>

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008**

Flammable liquids, Hazard Category 3; H226.

2.2 Label elements

EC Number: 254-384-1
Ethyl 2-methylvalerate



Signal word: Warning

Hazard Statements:

H226: Flammable liquid and vapour.

Precautionary Statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P240: Ground and bond container and receiving equipment.
P280: Wear protective gloves/eye protection/face protection.
P370+P378: In case of fire: Use foam or dry powder to extinguish.
P403+P235: Store in a well-ventilated place. Keep cool.

2.3 Other hazards

Results of PBT and vPvB assessment

The product does not contain substances identified as PBT and/or vPvB in a concentration equal to or greater than 0,1 % (w/w).

Environmental endocrine disrupting properties.

The product does not contain substances identified as having environmental endocrine disrupting properties in a concentration equal to or greater than 0,1 % (w/w).

Human health endocrine disrupting properties.

The product does not contain substances identified as having human health endocrine disrupting properties in a concentration equal to or greater than 0,1 % (w/w).

SECTION 3: Composition/information on ingredients
3.1 Substances

Concentration range of the constituent (% weight/weight)	EC number / Registration number	CAS	Chemical name	Hazard Class and Category Code; Hazard statement codes
≥50% and ≤100	254-384-1 01-2119969448-19	39255-32-8	Ethyl 2-methylvalerate	Flam. Liq. 3;H226

SECTION 4: First aid measures
4.1 Description of first aid measures

Consumption:	If swallowed, rinse mouth with water. Seek medical advice immediately and show this container or label. Keep the person at rest. Do NOT induce vomiting.
Eye contact:	Contact lenses should be removed. Hold eyelids open and flush with copious amounts of clean, fresh water and seek medical advice.
Inhalation:	Remove person to fresh air and keep at rest.
Skin contact:	Remove contaminated clothing. Wash skin with mild soap and water, rinse abundantly. If symptoms persist, obtain medical attention.

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

Read label before use. No additional information available.

4.3 Indication of any immediate medical attention and special treatment needed

Not available.

SECTION 5: Firefighting measures
5.1 Extinguishing media

Recommended: Foam or dry powder.
For safety reasons do not use full water jet.

5.2 Special hazards arising from the substance or mixture

Not applicable.

5.3 Advice for firefighters

Closed containers may build up pressure at elevated temperatures.
Avoid inhalation of fumes or vapours. Use appropriate respiratory protection.
Prevent run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures
6.1 Personal precautions, protective equipment and emergency procedures

Do NOT smoke and do NOT expose the product to an open flame or to any other potential source of ignition.
Wear appropriate gloves to prevent skin exposure.
Avoid contact with skin and inhalation of its vapours or smoke.
Maintain adequate ventilation in the working area after spilling.

6.2 Environmental precautions

Avoid contaminating the environment via the sewers or water sources.

6.3 Methods and material for containment and cleaning up

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).
Ventilate area and wash spill site after material pickup is complete.
Dispose of in accordance with current laws and regulations.

6.4 Reference to other sections

See also sections 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from food, drink and animal feedingstuffs. Do not smoke.

Avoid contact with skin and eyes.

Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the warnings on the label.

Keep away from incompatible substances (see section 10).

7.3 Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Declaration of substances is not required.

8.2 Exposure controls

Personal protection equipment: Appropriate personal protective equipment shall be worn in accordance with Regulation (EU) 2016/425.

Engineering Controls-Ventilation: The areas where the product is handled and stored should be adequately ventilated.

Respiratory Protection: Use personal breathing apparatus whenever deemed necessary.

Skin Protection: Avoid contact with skin. Wear suitable gloves (EN 374).

Eye/Face protection: Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

Predicted No Effect Concentration (PNEC): Freshwater: 0.026 mg/L

Marine water: 0.0026 mg/L

Sewage treatment plant (STP): 0.30 mg/L

Sediment (freshwater): 0.426 mg/kg sediment dw

Sediment (marine water): 0.0426 mg/kg sediment dw

Air: no hazard identified

Soil: 0.0702 mg/kg soil dw

Secondary poisoning: no hazard identified

Derived no-effect level (DNEL): Worker. Inhalation. Systemic effects. Long term: 52.08 mg/m³

Worker. Inhalation. Systemic effects. Acute: no hazard identified

Worker. Inhalation. Local effects. Long term: Not determined

Worker. Inhalation. Local effects. Acute: no hazard identified

Worker. Dermal. Systemic effects. Long term: 6.67 mg/kg bw/day

Worker. Dermal. Systemic effects. Acute: no hazard identified

Worker. Dermal. Local effects. Long term: Not determined

Worker. Dermal. Local effects. Acute: no hazard identified

Worker. Eyes. Local effects. Acute: no hazard identified

General population. Inhalation. Systemic effects. Long term: 12.95 mg/m³

General population. Inhalation. Systemic effects. Acute: no hazard identified

General population. Inhalation. Local effects. Long term: Not determined

General population. Inhalation. Local effects. Acute: no hazard identified

General population. Dermal. Systemic effects. Long term: 3.33 mg/kg bw/day

General population. Dermal. Systemic effects. Acute: no hazard identified

General population. Dermal. Local effects. Long term: Not determined

General population. Dermal. Local effects. Acute: no hazard identified

General population. Oral. Systemic effects. Long term: 3.33 mg/kg bw/day

General population. Oral. Systemic effects. Acute: no hazard identified

General population. Eyes. Local effects. Acute: no hazard identified

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: LIQUID

Colour: COLORLESS

Odour: FRUITY, FRESH

Odour threshold: Not determined

pH value:	Not applicable. Low solubility product.
Evaporation rate:	Not determined
Melting point:	Not determined
Boiling point:	153 °C
Flash point:	41 °C
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Vapour pressure:	Not determined
Vapour density:	Not determined
Density:	0.863 - 0.873 g/cm ³ (20 °C)
Water solubility:	Not determined
Partition coefficient: n-octanol/water:	Not determined
Viscosity:	Not determined
Kinematic viscosity:	Not determined
Oxidising properties:	Not available.
Explosive properties:	Not available.
Lower explosive limit:	Not determined
Upper explosive limit:	Not determined

9.2 Other information

Additional information: Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity

Not available.

10.2 Chemical stability

Stable under normal operating conditions.

10.3 Possibility of hazardous reactions

Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.

10.4 Conditions to avoid

Heat, flames and other sources of ignition.

Handle in accordance with good industrial hygiene and safety practice.

10.5 Incompatible materials

Oxidizing mineral acids, strong reducing agents, strong oxidizing agents.

10.6 Hazardous decomposition products

Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity (LD50):	Not classified for acute toxicity based on available data.
Acute dermal toxicity (LD50):	Not classified for acute toxicity based on available data.
Acute Inhalation toxicity (LC50 Gas):	Not classified for acute toxicity based on available data.
Acute Inhalation toxicity (LC50 Dusts and Mists):	Not classified for acute toxicity based on available data.
Acute Inhalation toxicity (LC50 Vapours):	Not classified for acute toxicity based on available data.
Skin Irritation:	Non irritating
Serious eye damage/irritation:	Not considered an ocular irritant

See also sections 2 and 3.

11.2 Information on other hazards:

Endocrine disrupting properties.:

The product does not contain substances identified as having human health endocrine disrupting properties in a concentration equal to or greater than 0,1 % (w/w).

SECTION 12: Ecological information

12.1 Toxicity

Acute aquatic toxicity: Not classified for acute toxicity based on available data.

Chronic aquatic toxicity:

Not classified for acute toxicity based on available data.

See also sections 2 and 3.

12.2 Biodegradation:

66%, 28 days

12.3 Bioaccumulative potential:

Not determined

12.4 Mobility in soil:

Not available.

12.5 Results of PBT and vPvB assessment:

The product does not contain substances identified as PBT and/or vPvB in a concentration equal to or greater than 0,1 % (w/w).

12.6 Endocrine disrupting properties.:

The product does not contain substances identified as having environmental endocrine disrupting properties in a concentration equal to or greater than 0,1 % (w/w).

12.7 Other adverse effects:

Not available.

Do not allow the material to enter streams, sewers or other waterways.


SECTION 13: Disposal considerations

13.1 Waste treatment methods


Disposal conditions: Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way.

SECTION 14: Transport information

International Carriage of Dangerous Goods by Road (ADR)

14.1 UN No.: UN3272
 14.2 Proper Shipping Name: ESTERS, N.O.S. (Contains Ethyl 2-methylvalerate)
 14.3 Class: 3
 14.4 Packing Group: III
 14.6 Special precautions for user:
 Tunnel restriction code: (D/E)
 Label:  3

Sea Transport (IMDG)

14.1 UN No.: UN3272
 14.2 Proper Shipping Name: Esters, n.o.s. (Contains Ethyl 2-methylvalerate)
 14.3 Class: 3
 14.4 Packing Group: III
 14.5 Marine Pollutant: No
 14.6 Special precautions for user:
 IMDG-Code segregation group: -
 EmS: F-E,S-D
 Label:  -

Air Transport (ICAO/IATA)

14.1 UN No.: UN3272
 14.2 Proper Shipping Name: Esters, n.o.s. (Ethyl 2-methylvalerate)
 14.3 Class: 3

14.4 Packing Group:	III
14.6 Special precautions for user:	
Passenger aircraft:	ACCEPTED
Cargo aircraft:	ACCEPTED

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Substances of very high concern:

The product does not contain substances included in the Substances of Very High Concern list (> 0,1 % w/w).

15.2 Chemical safety assessment

Not available.

SECTION 16: Other information

This material should only be used for industrial purposes.

Full text of classifications (in accordance with Regulation (EC) No 1272/2008):

Flam. Liq. 3; H226	Flammable liquids, Hazard Category 3
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Key literature references and sources for data:

1. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
2. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
3. Occupational Exposure Limits by the INSHT (Spanish National Institute of Safety and Hygiene at Work).

Replaces version:17 (18/03/2021)

Reason for Change: Adjustment to Regulation (EU) 2020/878.

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