

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

### 1.1 Product identifier

PRODUCT : MUSTARD ESSENTIAL OIL CHINA  
Chemical name : Oils, mustard  
CAS : 8007-40-7  
EC Number : 232-358-0  
Registration number (REACH) : --/--  
Index No.:

### 1.2 Relevant identified uses of the substance or mixture

Industrial uses. Formulation [mixing] of preparations.  
Uses advised against: Other uses than those recommended.  
{?/TIPOREG}  
{?/EEXP}

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

Lluch Essence, SL  
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://www.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  
Acute toxicity (inhal.), Hazard Category 2; H330  
Acute toxicity (dermal), Hazard Category 3; H311  
Acute toxicity (oral), Hazard Category 4; H302  
Skin corrosion/irritation, Hazard Category 1C; H314  
Sensitisation — Skin, Hazard Category 1; H317  
Sensitisation — Respirat., Hazard Category 1; H334  
Short-term (acute) aquatic hazard, category acute 1;M=10; H400  
Long-term (chronic) aquatic hazard, category chronic 1;M=10; H410.

### 2.2 Label elements

EC Number: 232-358-0  
Oils, mustard



Signal word: Danger

Hazard Statements:

H226: Flammable liquid and vapour.  
H302: Harmful if swallowed.  
H311: Toxic in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.  
H330: Fatal if inhaled.  
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

**SAFETY DATA SHEET**  
**MUSTARD ESSENTIAL OIL CHINA**

(according to Regulation (EU) No. 1907/2006)

Revision date: 26/11/2020 | Date of issue: 28-01-2021 | Version: 17



P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310: Immediately call a POISON CENTER/doctor.

**2.3 Other hazards**

Not available.

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

Concentration range of the constituent (% weight/weight)	EC number / Registration number	CAS	Chemical name
≥50% and ≤100	232-358-0	8007-40-7	Oils, mustard

The chemical identity of any impurity, stabilising additive, or individual constituent other than the main constituent:

Concentration (%)	CAS	EC Number	Chemical name	Hazard Class and Category Code; Hazard statement codes
<99,90	57-06-7	200-309-2	Allyl isothiocyanate	Flam. Liq. 3;H226- Acute Tox. 2;H330- Acute Tox. 3;H311- Acute Tox. 4;H302- Skin Corr. 1C;H314- Eye Dam. 1;H318- Skin Sens. 1;H317- Resp. Sens. 1;H334- Aquatic Acute 1;H400- Aquatic Chronic 1;H410 <sup>[1]</sup>
<0,50	3386-97-8	222-209-8	3-Butenyl isothiocyanate	Acute Tox. 2;H310- Acute Tox. 2;H330- Acute Tox. 3;H301- Skin Irrit. 2;H315- Eye Irrit. 2;H319- STOT RE 2;H373- Aquatic Acute 1;H400- Aquatic Chronic 1;H410 <sup>[1]</sup>
<0,50	592-82-5	209-770-4	Butyl isothiocyanate	Acute Tox. 2;H310- Acute Tox. 2;H330- Acute Tox. 3;H301- Skin Irrit. 2;H315- Eye Irrit. 2;H319- STOT SE 3;H335- Aquatic Acute 1;H400- Aquatic Chronic 1;H410 <sup>[1]</sup>
<0,05	2179-57-9	218-548-6	Diallyl disulphide	Flam. Liq. 3;H226- Acute Tox. 3;H301- Skin Irrit. 2;H315- Eye Irrit. 2;H319- Skin Sens. 1B;H317 <sup>[1]</sup>
<0,05	2050-87-5	218-107-8	Diallyl trisulphide	Acute Tox. 4;H302 <sup>[1]</sup>
<0,05	592-88-1	209-775-1	Diallyl sulphide	Flam. Liq. 3;H226 <sup>[1]</sup>
<0,0100	1948-33-0	217-752-2	2-tert-butylbenzene-1,4-diol	Acute Tox. 4;H302- Acute Tox. 4;H312- Skin Irrit. 2;H315- Eye Irrit. 2;H319- Skin Sens. 1;H317- Aquatic Chronic 1;H410 <sup>[3]</sup>

[1] Constituent.

[3] Stabilising additive.

**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:**



This product can be irritating or corrosive to the respiratory tract, eyes and skin. It may cause permanent eye injury. Corrosive to mouth, throat and stomach.

May produce an allergic reaction (rash, urticaria).

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)**

### **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.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:	LIQUID
Colour:	PALE YELLOW - CLARE YELLOW
Odour:	PENETRANT, PUNGENT
Odour threshold:	Not determined
pH value:	Not determined
Evaporation rate:	Not determined
Melting point:	Not determined
Boiling point:	150 °C
Flash point:	46 °C
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Vapour pressure:	Not determined
Vapour density:	Not determined
Density:	1.008 - 1.019 g/cm <sup>3</sup> (25 °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.
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## 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 toxicological effects

Acute oral toxicity (LD50):	Non toxic
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Acute dermal toxicity (LD50):	Not determined
Acute Inhalation toxicity (LC50 Gas):	Not determined
Acute Inhalation toxicity (LC50 Dusts and Mists):	Not determined
Acute Inhalation toxicity (LC50 Vapours):	Not determined

See also sections 2 and 3.

**SECTION 12: Ecological information**

**12.1 Toxicity**

Acute aquatic toxicity: Not determined

Chronic aquatic toxicity: Not determined

See also sections 2 and 3.

**12.2 Biodegradation:**

Not determined

**12.3 Bioaccumulative potential:**

Not determined

**12.4 Mobility in soil:**

Not available.

**12.5 Results of PBT and vPvB assessment:**

Not determined

**12.6 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**

Container disposal:	Containers must be disposed of as hazardous waste. Do not reuse empty containers. Dilute the remaining material and neutralise. Empty residue into a suitable disposal site.
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)**

UN No.:	UN1545
Proper Shipping Name:	ALLYL ISOTHIOCYANATE, STABILIZED
Packing Group:	II
Class:	6.1
Tunnel restriction code:	(D/E)
Label:	



6.1 (3)

**Sea Transport (IMDG)**

UN No.:	UN1545
Proper Shipping Name:	Allyl isothiocyanate, stabilized
Packing Group:	II
Class:	6.1
Subsidiary hazard:	3
Marine Pollutant:	Yes



Label:



#### Air Transport (ICAO/IATA)

UN No.: UN1545  
Proper Shipping Name: Allyl isothiocyanate, stabilized  
Packing Group: II  
Class: 6.1  
Subsidiary hazard: (3)  
Label:



### SECTION 15: Regulatory information

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

Not available

#### 15.2 Chemical safety assessment

Not available.

### SECTION 16: Other information

Text of hazard statement codes in section 3 (impurities, stabilising additives, constituents):

- H226: Flammable liquid and vapour.
- H301: Toxic if swallowed.
- H302: Harmful if swallowed.
- H310: Fatal in contact with skin.
- H311: Toxic in contact with skin.
- H312: Harmful in contact with skin.
- H314: Causes severe skin burns and eye damage.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.
- H330: Fatal if inhaled.
- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335: May cause respiratory irritation.
- H373: May cause damage to organs through prolonged or repeated exposure.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.

This material should only be used for industrial purposes.

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).

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Reason for Change: No reason (reprint).