

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

### 1.1 Product identifier

PRODUCT : GERANYL BUTYRATE NATURAL  
Chemical name : Geranyl butyrate  
CAS : 106-29-6  
EC Number : 203-381-3  
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

This substance is not classified as dangerous according to Regulation (EC) No 1272/2008.

### 2.2 Label elements

EC Number: 203-381-3  
Geranyl butyrate

Signal word: -

This substance is not classified as dangerous according to Regulation (EC) No 1272/2008.

### 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  | 203-381-3                       | 106-29-6 | Geranyl butyrate |

## 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**

Carbon dioxide, dry chemical powder or appropriate foam.  
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**

In case of fire in the surrounding area, follow the recommendations below:

- 1-Closed containers may build up pressure at elevated temperatures.
- 2-Avoid inhalation of fumes or vapours. Use appropriate respiratory protection.
- 3-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**

Wear appropriate gloves to prevent skin exposure.  
Avoid breathing vapours. Use a suitable respiratory apparatus if necessary. Avoid contact with eyes and skin.  
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.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

|   |   |
|---|---|
| Appearance:                             | LIQUID                                  |
| Colour:                                 | COLORLESS - PALE YELLOW                 |
| Odour:                                  | FLORAL                                  |
| Odour threshold:                        | Not determined                          |
| pH value:                               | Not determined                          |
| Evaporation rate:                       | Not determined                          |
| Melting point:                          | Not determined                          |
| Boiling point:                          | 253 °C                                  |
| Flash point:                            | > 110 °C                                |
| Auto-ignition temperature:              | Not determined                          |
| Decomposition temperature:              | Not determined                          |
| Vapour pressure:                        | Not determined                          |
| Vapour density:                         | Not determined                          |
| Density:                                | 0.878 - 0.918 g/cm <sup>3</sup> (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**

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 |
| Acute dermal toxicity (LD50):                     | Non toxic |
| Acute Inhalation toxicity (LC50 Gas):             | Non toxic |
| Acute Inhalation toxicity (LC50 Dusts and Mists): | Non toxic |
| Acute Inhalation toxicity (LC50 Vapours):         | Non toxic |

See also sections 2 and 3.

**SECTION 12: Ecological information**

**12.1 Toxicity**

Acute aquatic toxicity: Non toxic

Chronic aquatic toxicity: Non toxic

See also sections 2 and 3.

**12.2 Biodegradation:**

74%, 28 days

**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: Do not reuse empty containers.

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.:                  | Not applicable      |
| Proper Shipping Name:    | Not subject to ADR. |
| Packing Group:           | -                   |
| Class:                   | -                   |
| Tunnel restriction code: | -                   |
| Label:                   | -                   |

**Sea Transport (IMDG)**

|                       |                 |
|-----------------------|-----------------|
| UN No.:               | Not applicable  |
| Proper Shipping Name: | Not restricted. |
| Packing Group:        | -               |
| Class:                | -               |
| Subsidiary hazard:    | -               |
| Marine Pollutant:     | No              |
| Label:                |                 |

**Air Transport (ICAO/IATA)**

|                       |                 |
|-----------------------|-----------------|
| UN No.:               | Not applicable  |
| Proper Shipping Name: | Not restricted. |
| Packing Group:        | -               |
| Class:                | -               |
| Subsidiary hazard:    | -               |
| Label:                |                 |

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

Substances are either included in EINECS, ELINCS, NLP inventories or exempted.

**15.2 Chemical safety assessment**

Not available.

**SECTION 16: Other information**

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).