

**SAFETY DATA SHEET**  
**(according to Regulation (EU) No. 1907/2006)**  

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**PRODUCT: NOOTKATONE 50-60% NATURAL**

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Revision date: 19/09/2018

Date of issue: 09-02-2021

Version: 8

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

**1.1 Product identifier : NOOTKATONE 50-60% NATURAL**

**Chemical name:** 4R-4,4a,5,6,7,8-hexahydro-4,4a-dimethyl-6-(1-methylvinyl)naphthalen-2(3H)-one

**CAS:** 4674-50-4

**EC Number:** 225-124-4

**Index No.:**

**Registration number (REACH):** {?/REACH}

**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  
e-mail: she@lluche.com

**1.4 Emergency telephone number:** +34 (0) 93 379 38 49.

**Timetable:** Monday to Thursday: 8.00h to 17.15h, Friday: 8.00h to 15.00h (winter).  
Monday to Friday: 8.00h to 15.00h (summer).

**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: 225-124-4

4R-4,4a,5,6,7,8-hexahydro-4,4a-dimethyl-6-(1-methylvinyl)naphthalen-2(3H)-one

Signal word: -

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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	225-124-4	4674-50-4	4R-4,4a,5,6,7,8-hexahydro-4,4a-dimethyl-6-(1-methylvinyl)naphthalen-2(3H)-one

## **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.

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**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.

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**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.
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:	YELLOW
Odour:	WOODY, GRAPEFRUIT
Density:	0.960 - 1.010 g/cm <sup>3</sup> (20 °C)
Optical Rotation:	70.000 - 120.000 °
Refractive Index:	1.503 - 1.525 (20 °C)
Flash point:	110 °C
Additional information:	Not applicable.

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**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.

No special precautions other than good housekeeping of chemicals.

**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**

See also sections 2 and 3.

Acute toxicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Skin corrosion/irritation:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Serious eye damage/irritation:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Respiratory or skin sensitisation:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Germ cell mutagenicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Carcinogenicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Reproductive toxicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

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STOT-single exposure:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
STOT-repeated exposure:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Aspiration toxicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

**SECTION 12: Ecological information**

- 12.1 Acute aquatic toxicity:** Not determined
- 12.2 Persistence and degradability:** Not available.
- 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.: N/A  
 Proper Shipping Name: Not subject to ADR.  
 Packing Group: -  
 Class: -  
 Tunnel restriction code: -  
 Label: -

**Sea Transport (IMDG)**

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UN No.:	N/A
Proper Shipping Name:	Not restricted.
Packing Group:	-
Class:	-
Subsidiary risk:	-
Marine Pollutant:	No
Label:	

**Air Transport (ICAO/IATA)**

UN No.:	N/A
Proper Shipping Name:	Not restricted.
Packing Group:	-
Class:	-
Subsidiary risk:	-
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**

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.

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3. Occupational Exposure Limits by the INSHT (Spanish National Institute of Safety and Hygiene at Work).

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Reason for Change: Adjustment to Regulation (EU) 2015/830.