

MATERIAL SAFETY DATA SHEET

DLETA DODECALACTONE NATURAL,OPTICAL ACTIVE

1. Identification


- Chemical name: 6-Heptyloxan-2-one
- Synonyms: δ -Dodecalactone
- Molecular Formula: C₁₂H₂₂O₂
- Molecular Weight: 198.31
- CAS No.: 713-95-1
- FEMA No.: 2401
- EINECS No.: 211-932-4
- FDA: 172.510
- CoE: 624
- Reach Registration number 01-2119958757-17-0001
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2. Hazards identification

- **Classification according to Regulation (EC) No 1272/2008**
 - Skin irritation (Category 2) H315
 - Eye irritation (Category 2) H319
 - Specific target organ toxicity - single exposure (Category 3) H335

- **Label elements**

Labelling according Regulation (EC) No 1272/2008

Pictogram	
Signal word	Warning
Hazard statement(s)	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Precautionary statement(s)	

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P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplemental Hazard Statements	none
• Other hazards	none

3. **Composition/information on ingredients**

- Delta Dodecalactone $\geq 98.0\%$
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4. **First aid measures**

- **Eye contact:**
 - Rinse immediately with tap water for 10 minutes open eyelids forcibly;
 - consult a physician if irritation persists
 - **Skin contact:**
 - Remove immediately contaminated clothes, wash affected skin with water and soap - do not use any solvents;
 - consult a physician if skin irritation persists
 - **Inhalation:**
 - Remove from exposure and move to fresh air immediately.
 - Get medical aid.
 - **Ingestion:**
 - If conscious and alert, rinse mouth and-drink 2-4 cupfuls of milk or water.
 - Get medical aid. induce vomiting.
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5. **Fire-fighting measures**

- **General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
 - **Extinguishing Media:**

Use water spray, dry chemical, carbon dioxide, or chemical foam.
 - **Special method of fire-fighting**

Cool endangered containers with water spray ;Containers may explode when heated.
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6. **Accidental release measures**

- **General Information:**

Use proper personal protective equipment as indicated in Section 8.
- **Spills/Leaks:**

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Vacuum or sweep up material and place into a suitable disposal container.

7. Handling and storage

- **Handling:**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Normal measures for preventive fire protection.

- **Storage:**

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure controls and personal protection

- Technical measures
 - local exhaust ventilation necessary
 - take precautionary measures against electrostatic charging
 - processing in closed systems, if possible superposed by inert gas (e.g. nitrogen).
- Engineering Controls:
 - Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower..
- Respiratory protection
 - In case of olfactory nuisance: respirator with independent air supply or mask with activated charcoal filter
- Eyes:
 - Safety glasses
- Hand
 - Protective gloves
- Skin:
 - Wear appropriate protective clothing to prevent skin exposure

9. Physical and chemical properties:

- Form: Liquid
- Color: Colorless to yellow
- Odor: Coconut-fruity, buttery on dilution
- PH value at 10g/l H₂O: N/A
- Boiling point: 140 - 141 °C at 1 hPa - lit.
- Flash point: 113 °C - closed cup
- Melting point: -12 °C - lit.
- Explosive properties: N/A
- Lower explosion limit: N/A
- Upper explosion limit: N/A
- Ignition temperature: N/A
- Oxidizing properties: N/A
- Vapor pressure: N/A
- Specific gravity @25°C: 0.942 ~ 0.950
- Solubility in water: Insoluble

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- Organic solvents: 1 ml in 1 ml 95% alcohol
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10. Stability and reactivity

- Chemical Stability: Stable under recommended storage conditions.
 - Conditions to Avoid: No information available
 - Substances to be avoided: Strong oxidizing agents
 - Hazardous decomposition: Carbon oxides
 - Hazardous: Will not occur.
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11. Toxicological information

- Acute toxicity: LD50 Oral - rat - > 5,000 mg/kg
LD50 Dermal - rabbit - > 5,000 mg/kg
 - Sensitization: No information available.
 - Mutagenicity: No information available.
 - Other Studies: See actual entry in RTECS for complete information.
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12. Ecological information

- No information available
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13. Disposal considerations

- Waste from residues: Observe local/national regulations regarding waste disposal
Incinerate in qualified installation with flue gas scrubbing
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14. Transport information

- UN number**
ADR/RID:- IMDG:- IATA:-
 - Shipping Name:**
ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods
 - Hazard Class:**
ADR/RID:- IMDG:- IATA:-
 - Packing Group:**
ADR/RID:- IMDG:- IATA:-
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15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

no data available

- **Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

16. Other information

- Document Number: B-N24011-09
- Creation Date: Jan. 17, 20
- Revision: 9.0
- Disclaimer: The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.