

MATERIAL SAFETY DATA SHEET

DELTA DECALACTONE NATURAL, OPTICAL ACTIVE

1. Identification

- Chemical name 6-Pentyltetrahydro-2-pyrone
- Synonyms δ-Decalactone
- Molecular Formula C₁₀H₁₈O₂
- Molecular Weight 170.25
- CAS No. 705-86-2
- FEMA No. 2361
- EINECS No. 211-889-1
- FDA 172.510
- CoE 621

2. Hazards identification

- **Classification of the substance or mixture**
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
This substance is not classified as dangerous according to Directive 67/548/EEC.
- **Label elements**
The product does not need to be labelled in accordance with EC directives or respective national laws.
- **Other hazards** none

3. Composition/information on ingredients

- δ-Decalactone ≥98%

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.

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- **Ingestion:**

If conscious and alert, rinse mouth and-drink 2-4 cupfuls of milk or water.

Get medical aid. induce vomiting.

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.

6. Accidental release measures

- **General Information:**

Use proper personal protective equipment as indicated in Section 8.

- **Spills/Leaks:**

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:**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

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..

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- 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, clear
- Color colourless
- Odor N/A
- PH value at 10g/l H₂O 5.54 at 9.3 g/l at 25 °C - acidic
- Boiling point 117 - 120 °C at 0,03 hPa - lit.
- Flash point > 113.00 °C - closed cup
- Melting point 27°C
- 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 0.964~0.971
- Solubility in water Insoluble.
- Organic solvents Soluble

10. Stability and reactivity

- Chemical Stability Stable under recommended storage conditions.
- Conditions to Avoid Light, moisture, excess heat
- Substances to be avoided Strong oxidizing agents
- Hazardous decomposition Carbon monoxide, carbon dioxide,
- Hazardous Will not occur.

11. Toxicological information

- Acute toxicity LD50 Oral - rat - > 5,000 mg/kg
LD50 Dermal - rat - > 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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