

## SAFETY DATA SHEET

Creation Date 24-Nov-2010

Revision Date 12-May-2020

Revision Number 4

### 1. Identification

**Product Name** DL-Camphor

**Cat No. :** AC164640000; AC164640010; AC164640050; AC164640051;  
AC164642500

**CAS-No** 76-22-2  
**Synonyms** No information available

**Recommended Use** Laboratory chemicals.  
**Uses advised against** Food, drug, pesticide or biocidal product use.  
**Details of the supplier of the safety data sheet**

#### Emergency Telephone Number

For information **US** call: 001-800-ACROS-01 / **Europe** call: +32 14 57 52 11  
Emergency Number **US**:001-201-796-7100 / **Europe**: +32 14 57 52 99  
**CHEMTREC** Tel. No.**US**:001-800-424-9300 / **Europe**:001-703-527-3887

### 2. Hazard(s) identification

**Classification**

Causes serious eye damage  
Harmful if inhaled  
May cause damage to organs



**Precautionary Statements**

**Prevention**

Use only outdoors or in a well-ventilated area  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Do not breathe dust/fume/gas/mist/vapors/spray  
Do not eat, drink or use as a food additive

|  |  |
|--|--|
|  | call a physician.  |
| <b>Inhalation</b>                          | Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur. |
| <b>Ingestion</b>                           | Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.        |
| <b>Most important symptoms and effects</b> | Causes severe eye damage.  |
| <b>Notes to Physician</b>                  | Treat symptomatically  |

## 5. Fire-fighting measures

|   |  |
|---|--|
| <b>Suitable Extinguishing Media</b>     | Water spray. Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Chemical foam. Water mist may be used to cool closed containers. |
| <b>Unsuitable Extinguishing Media</b>   | No information available   |
| <b>Flash Point</b>                      | 64 °C / 147.2 °F   |
| <b>Method -</b>                         | No information available   |
| <b>Autoignition Temperature</b>         | 460 °C / 860 °F  |
| <b>Explosion Limits</b>                 |  |
| <b>Upper</b>                            | No data available  |
| <b>Lower</b>                            | No data available  |
| <b>Sensitivity to Mechanical Impact</b> | No information available   |
| <b>Sensitivity to Static Discharge</b>  | No information available   |

### Specific Hazards Arising from the Chemical

Flammable. Containers may explode when heated.

### Hazardous Combustion Products

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or

**Storage**

Keep in a dry, cool and well-ventilated place. Refer product specification and/or product label for specific storage temperature requirement. Keep away from heat, sparks and flame. Flammables area. Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure controls / personal protection

**Exposure Guidelines**

| Component | ACGIH TLV                 | OSHA PEL | NIOSH IDLH | Mexico OEL (TWA) |
|-----------|---------------------------|----------|------------|------------------|
| Camphor   | TWA: 2 ppm<br>STEL: 3 ppm |          |            |                  |

## 9. Physical and chemical properties

|   |                                   |
|---|-----------------------------------|
| <b>Physical State</b>                         | Solid                             |
| <b>Appearance</b>                             | White                             |
| <b>Odor</b>                                   | Characteristic                    |
| <b>Odor Threshold</b>                         | No information available          |
| <b>pH</b>                                     | No information available          |
| <b>Melting Point/Range</b>                    | 175 - 177 °C / 347 - 350.6 °F     |
| <b>Boiling Point/Range</b>                    | 204 °C / 399.2 °F @ 760 mmHg      |
| <b>Flash Point</b>                            | 64 °C / 147.2 °F                  |
| <b>Evaporation Rate</b>                       | Not applicable                    |
| <b>Flammability (solid,gas)</b>               | No information available          |
| <b>Flammability or explosive limits</b>       |                                   |
| <b>Upper</b>                                  | No data available                 |
| <b>Lower</b>                                  | No data available                 |
| <b>Vapor Pressure</b>                         | 0.27 mbar @ 20 °C                 |
| <b>Vapor Density</b>                          | Not applicable                    |
| <b>Specific Gravity</b>                       | No information available          |
| <b>Solubility</b>                             | 1.5 g/L (20°C)                    |
| <b>Partition coefficient; n-octanol/water</b> | No data available                 |
| <b>Autoignition Temperature</b>               | 460 °C / 860 °F                   |
| <b>Decomposition Temperature</b>              | No information available          |
| <b>Viscosity</b>                              | Not applicable                    |
| <b>Molecular Formula</b>                      | C <sub>10</sub> H <sub>16</sub> O |
| <b>Molecular Weight</b>                       | 152.24                            |

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## 10. Stability and reactivity

|                               |  |
|-------------------------------|--|
| <b>Reactive Hazard</b>        | None known, based on information available   |
| <b>Stability</b>              | Stable under normal conditions.  |
| <b>Conditions to Avoid</b>    | Keep away from open flames, hot surfaces and sources of ignition. Incompatible products. |
| <b>Incompatible Materials</b> | Organic  |

**Persistence and Degradability** Soluble in water Persistence is unlikely based on information available.

**Bioaccumulation/ Accumulation** No information available.

**Mobility** Will likely be mobile in the environment due to its water solubility.



**SARA 311/312 Hazard Categories** See section 2 for more information

**CWA (Clean Water Act)** Not applicable

**Clean Air Act** Not applicable

**OSHA - Occupational Safety and Health Administration** Not applicable

**CERCLA** Not applicable

**California Proposition 65** This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| <b>Component</b> | <b>Massachusetts</b> | <b>New Jersey</b> |
|------------------|----------------------|-------------------|
|------------------|----------------------|-------------------|