



Section 1. Product and Company Identification

**Product Name** Dicaprylyl Carbonate

**Parchem - fine & specialty chemicals**

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**New Rochelle, NY 10801**

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EMERGENCY RESPONSE NUMBER

CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

**Classification of the product:** No need for classification according to GHS criteria for this product.

**GHS Label Elements**

**Pictograms:** N/A

**Signal word:** N/A

**Hazard and precautionary statements**

None

**Hazards not otherwise classified**

No specific dangers known, if the regulations/notes for storage and handling are considered.

Section 3. Composition / Information on Ingredients

**Common Name** Dicaprylyl Carbonate

Section 4. First Aid Measures

**Description of first aid measures**

**General advice:** If adverse health effects develop seek medical attention.

**Inhalation:** Remove victim to fresh air and away from exposure immediately. If breathing has stopped, administer artificial respiration. Immediate medical attention required.

**Skin Contact:** After contact with skin, wash immediately with plenty of water and soap.

**Eye Contact:** Wash affected eyes for at least 15 minutes under running water with eyelids held open. Do not rub eyes; mechanical action may cause corneal damage. If adverse health effects develop seek medical attention.

**Ingestion:** Call a poison control center or physician for treatment advice.

**Most important symptoms and effects, both acute and delayed**

Symptoms: No significant symptoms are expected due to the non-classification of the product.

Hazards: No hazard is expected under intended use and appropriate handling.

**Indication of any immediate medical attention and special treatment needed**

**Note to physician**

**Treatment:** Treat symptomatically.

Section 5. Firefighting Measures

**Extinguishing media**

**Suitable extinguishing media:** Water spray, carbon dioxide, dry powder, foam

**Special hazards arising from the substance or mixture**

**Hazards during firefighting:** Harmful vapors; Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

**Advice for firefighters**

**Protective equipment for firefighting:** Wear a self-contained breathing apparatus.

**Further information:** Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Section 6. Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures:** Use personal protective clothing.

**Environmental precautions:** Do not discharge into drains/surface waters/groundwater.

**Methods and material for containment and cleaning up**

For small amounts: Pick up with suitable absorbent material.

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations.

Section 7. Handling and Storage

**Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame.

**Conditions for safe storage, including any incompatibilities**

Suitable materials for containers: tinned carbon steel (Tinplate), glass, High density polyethylene

(HDPE), Galvanized carbon steel (Zinc), Carbon steel (Iron)

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Below temperature limit the product properties will change. The property change is reversible by stirring and heating. Protect against moisture. Please refer to the product specific data sheet for further information.

**Storage stability:**

Storage temperature: -10 - 30°C

Protect against moisture.

Protect from temperatures below: -10°C

Characteristics of the product are reversibly changed when falling below the limit temperature.

Protect from temperatures above: 40°C

Properties of the product change irreversibly on exceeding the limit temperature.

Section 8. Exposure Controls / Personal Protection

No occupational exposure limits known.

**Advice on system design:** Ensure adequate ventilation.

**Personal protective equipment**

**Respiratory protection:** Not applicable with adequate ventilation.

**Hand protection:** Plastic gloves, Rubber gloves

**Eye protection:** Safety glasses with side-shields.

**Body protection:** Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

**General safety and hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

Section 9. Physical and Chemical Properties

**Form:** Liquid

**Odor:** Almost odorless

**Odor threshold:** Not applicable

**Color:** Colorless

**pH value:** Not determined

**Pour point:** <= -20.0°C (DIN ISO 3016)

**Melting temperature:** < -20°C

**Boiling temperature:** 331°C (approx. 1,013 hPa) The substance/product does not decompose. (Directive 92/69/EEC, A.2)

**Flash point:** 189°C (DIN EN 22719; ISO 2719)

**Flammability:** not flammable

**Flammability of Aerosol Products:** not applicable, the product does not form flammable aerosols

**Lower explosion limit:** For liquids not relevant for classification and labelling.

**Upper explosion limit:** For liquids not relevant for classification and labelling.

**Auto-ignition:** not determined

**Vapor pressure:** 10.3 mbar (20°C)

**Density:** 0.890 - 0.893 g/cm<sup>3</sup> (20°C) (DIN 51757)

0.8688 g/cm<sup>3</sup> (50°C) (DIN 51757)

**Vapor density:** Not applicable

**Partitioning coefficient (n-Octanol/water):** log Pow: not determined

**Self-ignition temperature:** not applicable

**Thermal decomposition:** No decomposition if stored and handled as prescribed/indicated.

**Viscosity, dynamic:** 6 - 8 mPa\*s (20°C) (DGF C-IV 7; Viscosity Höppler/Ubbelohde)

**Viscosity, kinematic:** not determined

**Solubility in water:** Insoluble

**Solubility (qualitative):** Insoluble

**Solvent(s):** Distilled water,

**Evaporation rate:** Value can be approximated from Henry's Law Constant or vapor pressure.

**Other Information:** If necessary, information on other physical and chemical parameters is indicated in this section.

No further information available.

#### Section 10. Stability and Reactivity

**Reactivity:** No hazardous reactions if stored and handled as prescribed/indicated.

**Oxidizing properties:** not fire-propagating

**Chemical stability:** The product is stable if stored and handled as prescribed/indicated.

**Possibility of hazardous reactions:** Reacts with oxidizing agents. Reacts with bases. Reacts with strong acids.

**Conditions to avoid:** See MSDS section 7 - Handling and storage.

**Incompatible materials:** No substances known that should be avoided.

#### Hazardous decomposition products

**Decomposition products:** Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

**Thermal decomposition:** No decomposition if stored and handled as prescribed/indicated.

#### Section 11. Toxicological Information

**Primary routes of exposure:** Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

**Primary routes of entry:** Dermal contact.

### Acute Toxicity/Effects

#### Acute toxicity

**Assessment of acute toxicity:** Virtually nontoxic after a single ingestion.

#### Oral

**Type of value:** LD50

**Value:** > 5,000 mg/kg (OECD Guideline 401)

**Inhalation:** No applicable information available.

**Dermal:** No applicable information available.

#### Assessment other acute effects

**Assessment of STOT single:** Based on available Data, the classification criteria are not met.

#### Irritation / corrosion

**Assessment of irritating effects:** Not irritating to the skin. Not irritating to the eyes.

#### Skin

**Species:** Rabbit

**Result:** Slightly irritating.

**Method:** OECD Guideline 404

#### Eye

**Species:** Rabbit

**Result:** Slightly irritating.

**Method:** OECD Guideline 405

#### Sensitization

**Assessment of sensitization:** There is no evidence of a skin-sensitizing potential.

**Aspiration Hazard:** No aspiration hazard expected.

#### Chronic Toxicity/Effects

##### Repeated dose toxicity

**Assessment of repeated dose toxicity:** No adverse effects were observed after repeated exposure in animal studies.

#### Genetic toxicity

**Assessment of mutagenicity:** The chemical structure does not suggest a specific alert for such an effect.

**Genetic toxicity in vitro:** OECD Guideline 471 Ames-test Salmonella typhimurium: negative

### **Carcinogenicity**

**Assessment of carcinogenicity:** The chemical structure does not suggest a specific alert for such an effect.

### **Reproductive toxicity**

**Assessment of reproduction toxicity:** The chemical structure does not suggest a specific alert for such an effect.

### **Teratogenicity**

**Assessment of teratogenicity:** No data was available concerning toxicity to development.

**Other Information:** The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

**Symptoms of Exposure:** No significant symptoms are expected due to the non-classification of the product.

## Section 12. Ecological Information

### **Aquatic toxicity**

**Assessment of aquatic toxicity:** The product has not been tested. The statement has been derived from the properties of the individual components.

**Toxicity to fish:** LC50 > 100 mg/l (DIN EN ISO 7346-2)

**Aquatic invertebrates:** EC50 > 100 mg/l (OECD Guideline 202, part 1)

**Aquatic plants:** EC50 > 100 mg/l (OECD Guideline 201)

### **Microorganisms/Effect on activated sludge**

Toxicity to microorganisms

DIN 38412 Part 27 (draft) EC0: > 10 - 100 mg/l

### **Persistence and degradability**

**Assessment biodegradation and elimination (H2O):** Readily biodegradable (according to OECD criteria).

### **Bioaccumulative potential**

**Assessment bioaccumulation potential:** No data available.

### **Mobility in soil**

**Assessment transport between environmental compartments:** not applicable

## Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

**Land transport**

**US DOT:** Not classified as a dangerous good under transport regulations

**Sea transport**

**IMDG:** Not classified as a dangerous good under transport regulations

**Air transport**

**IATA/ICAO:** Not classified as a dangerous good under transport regulations

Section 15. Regulatory Information

**Land transport**

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Section 16. Other Information

**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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