# SAFETY DATA SHEET

**Revision date** 03/16/2026 **Revision Number** 2

## 1. Identification

**Product identifier**

**Product Name** Liandox DCP-99

**Other means of identification**

**Product Code(s)** Liandox DCP-99 JH

**UN number or ID number** UN3110

**Synonyms** Dicumyl peroxide

**Recommended use of the chemical and restrictions on use**

**Recommended use** No information available

**Restrictions on use** No information available

**Details of the supplier of the safety data sheet**

**Supplier Address**
1665 Enterprise Parkway
Twinsburg, OH 44087

**Emergency telephone number**

**Emergency Telephone** CHEMTREC 1-800-424-9300

## 2. Hazard(s) identification

**Classification of the substance or mixture**

| | |
|---|---|
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2A |
| Reproductive toxicity | Category 1B |

**Hazards not otherwise classified (HNOC)**
Not applicable

**Label elements**



Danger

**Hazard statements**
Causes skin irritation.
Causes serious eye irritation.
May damage fertility or the unborn child.

**Precautionary Statements - Prevention**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves, protective clothing, eye protection and face protection.
Wash face, hands and any exposed skin thoroughly after handling.

**Precautionary Statements - Response**
IF exposed or concerned: Get medical advice/attention.
Specific treatment (see .? on this label).
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF ON SKIN: Wash with plenty of water and soap.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.

**Precautionary Statements - Storage**
Store locked up.

**Precautionary Statements - Disposal**
Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

**Hazards classified under paragraph (d)(1)(ii) of 1910.1200**
No information available.

**Other information**
May be harmful if swallowed. May be harmful in contact with skin. Toxic to aquatic life with long lasting effects. Harmful to aquatic life.

## 3. Composition/information on ingredients

**Substance**

Not applicable.

**Mixture**

| Chemical name | CAS No. | Weight-% | Trade secret |
|---|---|---|---|
| Dicumyl Peroxide | 80-43-3 | 98.5 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First-aid measures

**Description of first aid measures**

**General advice** Show this safety data sheet to the doctor in attendance.

**Inhalation** Remove to fresh air. Get medical attention immediately if symptoms occur.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open

| | |
|---|---|
| | while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. |
| **Skin contact** | Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists. |
| **Ingestion** | Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician. |
| **Self-protection of the first aider** | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8). |

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

| | |
|---|---|
| **Symptoms** | May cause redness and tearing of the eyes. Burning sensation. |
| **Effects of Exposure** | May cause adverse reproductive effects - such as birth defect, miscarriages, or infertility. |

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

| | |
|---|---|
| **Note to physicians** | Treat symptomatically. |

## 5. Fire-fighting measures

| | |
|---|---|
| **Suitable Extinguishing Media** | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| **Unsuitable extinguishing media** | Do not scatter spilled material with high pressure water streams. |
| **Specific hazards arising from the chemical** | No information available. |

**Explosion data**

| | |
|---|---|
| **Sensitivity to mechanical impact** | None. |
| **Sensitivity to static discharge** | None. |
| **Special protective equipment and precautions for fire-fighters** | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

| | |
|---|---|
| **Personal precautions** | Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. |
| **Other information** | Refer to protective measures listed in Sections 7 and 8. |

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

| | |
|---|---|
| **Methods for containment** | Prevent further leakage or spillage if safe to do so. |
| **Methods for cleaning up** | Pick up and transfer to properly labeled containers. |
| **Prevention of secondary hazards** | Clean contaminated objects and areas thoroughly observing environmental regulations. |

## 7. Handling and storage

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Take off contaminated clothing and wash before reuse.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

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

**Storage Conditions** Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure controls/personal protection

**Control Parameters**

**Exposure Limits** This product, as supplied, contains materials that do not have reportable occupational exposure limits or are not subject to the reporting requirements of the local jurisdiction.

**Biological occupational exposure limits** This product, as supplied, contains materials that do not have reportable biological exposure limits or are not subject to the reporting requirements of the local jurisdiction.

**Appropriate engineering controls**

**Engineering controls** Showers
Eyewash stations
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Use appropriate respiratory protection.

## 9. Physical and chemical properties

**Information on basic physical and chemical properties**

| | |
|---|---|
| **Appearance** | Powder |
| **Physical state** | Solid |
| **Color** | white |
| **Odor (includes odor threshold)** | unpleasant |

| Property | Values | Remarks • Method |
|---|---|---|
| **Melting point / freezing point** | No data available | None known |
| **Boiling point (or initial boiling point or boiling range)** | No data available | None known |
| **Flammability** | No data available | None known |

| | | |
|---|---|---|
| **Flammability Limit in Air** | | None known |
| **Upper flammability or explosive limits** | No data available | |
| **Lower flammability or explosive limits** | No data available | |
| **Flash point** | No data available | None known |
| **Autoignition temperature** | No data available | None known |
| **Decomposition temperature** | No data available | None known |
| **SADT (°C)** | No data available | None known |
| **pH** | No data available | None known |
| **pH (as aqueous solution)** | No data available | None known |
| **Kinematic viscosity** | No data available | None known |
| **Dynamic viscosity** | No data available | None known |
| **Solubility** | No data available | None known |
| **Water solubility** | Insoluble in water | None known |
| **Partition coefficient n-octanol/water (log value)** | No data available | None known |
| **Vapor pressure (includes evaporation rate)** | No data available | None known |
| **Evaporation rate** | No data available | None known |
| **Density and/or relative density** | 1.05 | None known |
| **Bulk density** | No data available | |
| **Liquid Density** | No data available | |
| **Relative vapor density** | No data available | None known |
| **Particle characteristics** | | None known |
| **Particle Size** | No data available | |
| **Particle Size Distribution** | No data available | |

**Other information**

## 10. Stability and reactivity

**Reactivity** No information available.

**Chemical stability** Stable under normal conditions.

**Possibility of hazardous reactions** None under normal processing.

**Conditions to avoid** None known based on information supplied.

**Incompatible materials** Strong acids. Strong bases. Strong oxidizing agents.

**Hazardous decomposition products** None known based on information supplied.

## 11. Toxicological information

**Information on likely routes of exposure**

**Product Information**

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

**Eye contact** Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

**Skin contact** Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).

**Ingestion** Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** Redness. May cause redness and tearing of the eyes.

**Acute toxicity** No information available.

**Numerical measures of toxicity**
The following ATE values have been calculated for the mixture

| | |
|---|---|
| ATEmix (dermal) | 2,030.50 mg/kg |
| ATEmix (inhalation-gas) | 99,999.00 ppm |
| ATEmix (inhalation-vapor) | 99,999.00 mg/l |
| ATEmix (inhalation-dust/mist) | 99,999.00 mg/l |

**Oral LD50** 4100 mg/kg (rat)
**Dermal LD50** > >2000 mg/kg (rabbit)
**Inhalation LC50** > 224 (1hour) mg/l

**Component Information**

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Dicumyl Peroxide<br>80-43-3 | = 4100 mg/kg ( Rat ) | > 2000 mg/kg ( Rat ) | > 0.1 mg/L ( Rat ) 4 h |

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Classification based on data available for ingredients. Causes skin irritation.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes serious eye irritation.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. May damage fertility or the unborn child.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

**Other adverse effects** No information available.

**Interactive effects** No information available.

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects. Harmful to aquatic life.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|---|---|---|---|
| Dicumyl Peroxide<br>80-43-3 | - | LC50: 80.51 - 146.07mg/L (96h, Poecilia reticulata)<br>LC50: =15.6mg/L (96h, Pimephales promelas) | - | - |

**Persistence and degradability** No information available.

**Bioaccumulation**

**Component Information**

| Chemical name | Partition coefficient |
|---|---|
| Dicumyl Peroxide<br>80-43-3 | 5.6 |

**Other adverse effects** No information available.

## 13. Disposal considerations

**Disposal methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

**California Hazardous Waste Status** This product contains one or more substances that are listed with the State of California as a hazardous waste.

## 14. Transport information

**DOT**

**Notes** **(Dicumyl peroxide, 99%),**
**UN number or ID number** UN3110
**Proper shipping name** Organic peroxide type F, solid
**Transport hazard class(es)** 5.2
**Special Provisions** TP33
**DOT Marine Pollutant** I
**Marine pollutant** Dicumyl Peroxide
**Description** UN3110, Organic peroxide type F, solid (Dicumyl Peroxide), 5.2, Marine pollutant

**TDG**

**UN number or ID number** UN3110
**UN proper shipping name** Organic peroxide type F, solid
**Transport hazard class(es)** 5.2
**Packing group** II
**Marine pollutant name** Dicumyl Peroxide.
**Description** UN3110, Organic peroxide type F, solid (Dicumyl Peroxide), 5.2, II

**MEX**

| | |
|---|---|
| **Notes** | **(Dicumyl peroxide, 99%)** |
| **UN number or ID number** | UN3110 |
| **UN proper shipping name** | Organic peroxide type F, solid |
| **Transport hazard class(es)** | 5.2 |
| **Technical Name** | Dicumyl Peroxide |
| **Description** | UN3110, Organic peroxide type F, solid (Dicumyl Peroxide), 5.2 |
| **Special Provisions** | 122, 274, 323 |

**ICAO (air)**

| | |
|---|---|
| **Notes** | **(Dicumyl peroxide, 99%),** |
| **UN number or ID number** | UN3110 |
| **UN proper shipping name** | Organic peroxide type F, solid |
| **Transport hazard class(es)** | 5.2 |
| **Description** | UN3110, Organic peroxide type F, solid (Dicumyl Peroxide), 5.2 |
| **Special Provisions** | A20 |

**IATA**

| | |
|---|---|
| **Notes** | **(Dicumyl peroxide, 99%),** |
| **UN number or ID number** | UN3110 |
| **UN proper shipping name** | Organic peroxide type F, solid |
| **Transport hazard class(es)** | 5.2 |
| **Technical Name** | Dicumyl Peroxide |
| **Description** | UN3110, Organic peroxide type F, solid (Dicumyl Peroxide), 5.2 |
| **Special Provisions** | A20, A802 |
| **ERG Code** | 5L |

**IMDG**

| | |
|---|---|
| **Notes** | **(Dicumyl peroxide, 99%),** |
| **UN number or ID number** | UN3110 |
| **UN proper shipping name** | Organic peroxide type F, solid |
| **Transport hazard class(es)** | 5.2 |
| **EmS-No.** | F-J, S-R |
| **Special Provisions** | 122, 274 |
| **Description** | UN3110, Organic peroxide type F, solid (Dicumyl Peroxide), 5.2, Marine pollutant |

**RID**

| | |
|---|---|
| **Notes** | **(Dicumyl peroxide, 99%),** |
| **UN number or ID number** | UN3110 |
| **UN proper shipping name** | Organic peroxide type F, solid |
| **Transport hazard class(es)** | 5.2 |
| **Classification code** | P1 |
| **Special Provisions** | 122, 274 |
| **Description** | UN3110, Organic peroxide type F, solid (Dicumyl Peroxide), 5.2, Environmentally Hazardous |

**ADR**

| | |
|---|---|
| **Notes** | **(Dicumyl peroxide, 99%),** |
| **UN number or ID number** | UN3110 |
| **UN proper shipping name** | Organic peroxide type F, solid |
| **Transport hazard class(es)** | 5.2 |
| **Classification code** | P1 |
| **Tunnel restriction code** | (D) |
| **Special Provisions** | 122, 274 |
| **Description** | UN3110, Organic peroxide type F, solid (Dicumyl Peroxide), 5.2, (D), Environmentally Hazardous |

**ADN**

| | |
|---|---|
| **Notes** | **(Dicumyl peroxide, 99%),** |
| **UN number or ID number** | UN3110 |
| **UN proper shipping name** | Organic peroxide type F, solid |
| **Transport hazard class(es)** | 5.2 |

| | |
|---|---|
| **Classification code** | P1 |
| **Special Provisions** | 122, 274 |
| **Description** | UN3110, Organic peroxide type F, solid (Dicumyl Peroxide), 5.2, Environmentally Hazardous |
| **Ventilation** | VE01 |
| **Equipment Requirements** | PP, EX, A |

## 15. Regulatory information

**International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

**International Inventories**

| Chemical name | TSCA | DSL | NDSL | EINECS/ELINCS | ENCS | IECSC | KECL | PICCS | AIIC | NZIoC |
|---|---|---|---|---|---|---|---|---|---|---|
| Dicumyl Peroxide | X | X | | X | X | X | X | X | X | Does not have an individual approval but may be used under an appropriate group standard |

| Chemical name | CAS No. | Inventory Listing Status | Commercial Activity Designation |
|---|---|---|---|
| Dicumyl Peroxide | 80-43-3 | Present | Active |

**Legend:**
**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
**ENCS** - Japan Existing and New Chemical Substances
**IECSC** - China Inventory of Existing Chemical Substances
**KECL** - Korean Existing and Evaluated Chemical Substances
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances
**AIIC** - Australian Inventory of Industrial Chemicals
**NZIoC** - New Zealand Inventory of Chemicals

**US Federal Regulations**

**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CAA (Clean Air Act)**
This product does not contain any substances regulated as pollutants pursuant to Clean Air Act (CAA).

**CERCLA**
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

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

**U.S. State Right-to-Know Regulations**
This product does not contain any substances regulated under applicable state right-to-know regulations

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

## 16. Other information

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **NFPA** | **Health hazards** 2 | **Flammability** 0 | **Instability** 0 | **Special hazards** - |
| **HMIS** | **Health hazards** 2 * | **Flammability** 0 | **Physical hazards** 0 | **Personal protection** X |

*Chronic Hazard Star Legend* * = Chronic Health Hazard*

**Key or legend to abbreviations and acronyms used in the safety data sheet**

| **Legend** | **Section 8: Exposure controls/personal protection** | | |
|---|---|---|---|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | Sk* | Skin designation |

**Key literature references and sources for data used to compile the SDS**
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

**Revision date** 03/16/2026
**Revision Note** No information available.

**Disclaimer**

**Information given herein is offered in good faith as accurate, but without guarantee. The conditions of use and suitability of the product for an application is beyond our control. All risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind of nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of this product. Appropriate warnings and safe handling procedures should be provided to handlers and users.**

**End of Safety Data Sheet**

**International Inventories**

| Chemical name | TSCA | DSL | NDSL | EINECS/ELINCS | ENCS | IECSC | KECL | PICCS | AIIC | NZIoC |
|---|---|---|---|---|---|---|---|---|---|---|
| Dicumyl Peroxide | X | X | | X | X | X | X | X | X | Does not have an individual approval but may be used under an appropriate group standard |

| Chemical name | CAS No. | Inventory Listing Status | Commercial Activity Designation |
|---|---|---|---|
| Dicumyl Peroxide | 80-43-3 | Present | Active |

| Chemical name | Inventory - United States - Section 8(b) Inventory (TSCA) |
|---|---|
| Dicumyl Peroxide | Present Active |

| Chemical name | TSCA | DSL/NDSL | EINECS/ELINCS | ENCS | IECSC | KECL | PICCS | AIIC | NZIoC |
|---|---|---|---|---|---|---|---|---|---|
| Dicumyl Peroxide | X | X | X | X | X | X | X | X | Does not have an individual approval but may be used under an appropriate group standard |

**US SDS version information - AGHS**
UL release:
GHS Revision 7
2025 Q1

**United States of America** Full process, including GHS and Transportation Wizards

| Chemical name | California Hazardous Waste Status |
|---|---|
| Dicumyl Peroxide<br>80-43-3 | Toxic<br>Ignitable |

**NFPA** **Health hazards** 2 **Flammability** 0 **Instability** 0 **Special hazards** -
**HMIS** **Health hazards** 2 * **Flammability** 0 **Physical hazards** 0 **Personal protection** X
**HMIS**
*Chronic Hazard Star Legend* ** = Chronic Health Hazard*