

## SAFETY DATA SHEET

Date Revised: Nov 22, 2021

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

**Product Name:** DiO

**Catalog Number:** D4007

**Manufacturer/Supplier:**

UElandy (Suzhou) Co., Ltd.

Room 302-1, Building 1, No.18 Chunyao Road, Caohu Industrial Park, Xiangcheng District, Suzhou, P.R. China

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### SECTION 2: Hazards identification

**GHS - Classification**

**Signal Word**

None

**Hazard pictograms**

None

**Health hazards**

Not Hazardous

**Physical hazards**

Not Hazardous

**Environmental hazards**

Not Hazardous

**Hazard Statements**

Not Applicable

**Precautionary Statements**

**Prevention**

Not Applicable

**Response**

Not Applicable

**Storage**

Not Applicable

**Disposal**

Not Applicable

**Other hazards**

Not Applicable

**HMIS**

Health	0
Flammability	0
Reactivity	0

## SECTION 3: Composition/information on ingredients

Component	CAS No.	EINECS-No	Weight-%
3,3'-dioctadecyloxycarbocyanine perchlorate	34215-57-1	-	60-100

We recommend handling all chemicals with caution.

## SECTION 4: First aid measures

### Description of first aid measures

<b>Skin contact</b>	Rinse with plenty of water. Immediate medical attention is not required.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Ingestion</b>	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
<b>Inhalation</b>	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
<b>Notes to Physician</b>	Treat symptomatically.
<b>Most important symptoms and effects, both acute and delayed</b>	Not Applicable
<b>Indication of any immediate medical attention and special treatment needed</b>	None.

## SECTION 5: Firefighting measures

### Extinguishing media

**Suitable extinguishing media** Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

**Unsuitable extinguishing media** No information available.

### Special hazards arising from the substance or mixture

Not known.

### Advice for fire-fighters

Standard procedure for chemical fires.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Always wear recommended Personal Protective Equipment Use personal protection equipment

See Section 8 for more detail

### Environmental precautions

No special environmental precautions required

### Methods and material for containment and cleaning up

Soak up with inert absorbent material.

### Reference to other sections

See section 8 for more information.

## SECTION 7: Handling and storage

### Precautions for safe handling

Use personal protective equipment as required. No special handling advices are necessary.

### Conditions for safe storage, including any incompatibilities

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Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

## Specific end use(s)

For research use only.

## SECTION 8: Exposure controls/personal protection

### Control parameters

#### Exposure Limits

Contains no substances with occupational exposure limit values

Chemical Name	OSHA PEL	OSHA PEL(Ceiling)	ACGIH OEL (TWA)	ACGIH OEL(STEL)
3,3'-dioctadecyloxacarbocyanine perchlorate	None	None	None	None

Chemical Name	Brazil - OEL - TWAs (LTs)	Brazil - OEL - Ceilings	Brazil - OEL - Skin Designations
3,3'-dioctadecyloxacarbocyanine perchlorate	None	None	None

### Engineering measures

Ensure adequate ventilation, especially in confined areas.

### Exposure controls

### Personal Protective Equipment

#### Respiratory protection

In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

#### Hand protection

Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.

#### Eye protection

Tight sealing safety goggles.

#### Skin and Body Protection

Wear suitable protective clothing.

#### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

#### Environmental exposure controls

No special environmental precautions required.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

solid

#### Odor

No data available

#### Melting point / melting range

°C Mixture has not been tested

°F Mixture has not been tested

#### Boiling point / boiling range

°C Mixture has not been tested

°F Mixture has not been tested

#### Flash point

°C Mixture has not been tested

°F Mixture has not been tested

#### Autoignition Temperature

°C Mixture has not been tested

°F Mixture has not been tested

#### Decomposition temperature

°C Mixture has not been tested

°F Mixture has not been tested

#### Evaporation rate

No data available

#### Flammability (solid, gas)

No data available

#### Upper explosion limit

Mixture has not been tested

#### Lower explosion limit

Mixture has not been tested

#### Vapor Pressure

Mixture has not been tested

#### Relative density

Mixture has not been tested

#### Specific gravity

No data available

#### Solubility

No data available

#### Partition coefficient:

No data available

#### n-octanol/water

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**Explosive properties** Mixture has not been tested

**Other information**

No data available.

## SECTION 10: Stability and reactivity

**Reactivity** None known.  
**Chemical stability** Stable under normal conditions.  
**Possibility of hazardous reactions** Hazardous reaction has been reported  
**Conditions to avoid** No information available.  
**Incompatible materials** No dangerous reaction known under conditions of normal use.  
**Hazardous decomposition products** No data available.

## SECTION 11: Toxicological information

**Information on toxicological effects**

There is no evidence available indicating acute toxicity.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
3,3'-dioctadecyloxacarbo- cyanine perchlorate	No data available	No data available	No data available

**Principal Routes of Exposure**

**Irritation** Conclusive but not sufficient for classification  
**Corrosivity** Conclusive but not sufficient for classification  
**Sensitization** Conclusive but not sufficient for classification  
**STOT – Single Exposure** Conclusive but not sufficient for classification  
**STOT – Repeated Exposure** Conclusive but not sufficient for classification  
**Carcinogenicity** Conclusive but not sufficient for classification  
**Mutagenicity** Conclusive but not sufficient for classification  
**Reproductive toxicity** Conclusive but not sufficient for classification  
**Aspiration hazard** Conclusive but not sufficient for classification

## SECTION 12: Ecological information

**Toxicity**

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
3,3'-dioctadecyloxacarbo- cyanine perchlorate	No data available	No data available	No data available	No data available	No data available

**Persistence and degradability** No information available.

**Bioaccumulative potential** No information available.

**Results of PBT and vPvB assessment**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other adverse effects** No information available.

## SECTION 13: Disposal considerations

**Waste treatment methods**

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues.

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This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations

## SECTION 14: Transport information

### IATA / ADR / DOT-US / IMDG

Not regulated in the meaning of transport regulations.

**UN number** Not Applicable

**UN proper shipping name** Not Applicable

**Transport hazard class(es)** Not Applicable

**Packing group** Not Applicable

### Environmental hazards

Not Applicable

### Special precautions for user

Not Applicable

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable.

## SECTION 15: Regulatory information

Component	US TSCA
3,3'-dioctadecyloxacarbo-cyanine perchlorate	-

### US Federal Regulations

#### SARA 313

This product is not regulated by SARA.

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contains HAPs.

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

### National Regulations - Brazil

Chemical Name	CAS No.	Brazil - National Agency for Sanitary Surveillance (ANVISA)	Brazil - National List of Carcinogen Agents to Humans (LINACH)
3,3'-dioctadecyloxacarbo-cyanine perchlorate	34215-57-1	Not Listed	Not Listed

## SECTION 16: Other information

Reason for revision SDS sections updated

Version no. 1

For research use only. Not for use in diagnostic procedures.

The information provided above is believed to be correct to our best knowledge, but does not purport to be all inclusive, and shall be used only as a guide. This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially

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hazardous chemicals. UElandy (Suzhou) shall not be held liable for any damage resulting from handling or contact with the above product.