

# SAFETY DATA SHEET

Revision Date 30.06.2022  
Version 5.1

according to Regulation (EC) No. 1907/2006

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

---

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

### 1.1 Product identifiers

Trade name : ShieldBiso™ OCR  
INCI name : Octocrylene  
REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.  
CAS-No. : 6197-30-4

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Manufacture of substances

### 1.3 Details of the supplier of the safety data sheet

Company : Bisor Corporation  
5358, Huyi Road,  
Shanghai, 201806, P.R.  
CHINA

Telephone : +86 21 6183 4121  
Fax : +86 21 5186 1853

**1.4 Email** [info@bisorcare.com](mailto:info@bisorcare.com)

**1.5 Web** [www.bisorcare.com](http://www.bisorcare.com)

---

## SECTION 2: Hazards Identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No  
1272/2008 Aquatic Chronic 1; H410

### 2.2. Label elements

Labelling according to Regulation (EC) No  
1272/2008 Hazard Pictogram

**Signal Word**

Warning

**Hazard Statements**

H410:-Very toxic to aquatic life with long lasting effects.

**Precautionary Statements (Prevention)**

P273- Avoid release to the environment.

**Precautionary Statements (Response)**

P391-Collect spillage.

**Precautionary Statements (Disposal)**

P501-Dispose of contents/container to hazardous or special waste collection point. No specific dangers known, if the regulations/notes for storage and handling are considered.

**Supplemental Hazard information (EU)**

Not applicable.

**2.3. Other hazards**

This substance contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

**Endocrine disrupting properties**

The substance does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

---

**SECTION 3: Composition/Information on Ingredients****3.1. Substances**

Name:	Octocrylene
CAS Number:	6197-30-4
EC Number:	228-250-8
Concentration (% w/w):	>= 98.0 - <= 100
Specific Conc. Limits:	/
M-Factors:	M(Chronic)=10
ATE:	/
Exposure Route:	/

**3.2. Mixtures**

Not applicable

---

## **SECTION 4: First Aid Measures**

### **4.1. Description of first aid measures**

**General advice**  
Never give anything by mouth to an unconscious person. Consult a physician.

#### **If inhaled**

Move to fresh air. If symptoms persist, call a physician.

#### **In case of skin contact**

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.

#### **In case of eye contact**

Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

#### **If swallowed**

Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

### **4.2. Most important symptoms and effects, both acute and delayed**

No specific symptoms known.

### **4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

---

## **SECTION 5: Firefighting Measures**

### **5.1. Extinguishing media Suitable extinguishing media**

Water spray, carbon dioxide, dry powder, foam

### **5.2. Special hazards arising from the substance or mixture**

Carbon monoxide, Carbon dioxide, nitrogen oxides.

### **5.3. Advice for firefighters Special protective equipment**

Wear a self-contained breathing apparatus.

#### **Further information**

No data available.

---

## **SECTION 6: Accidental Release Measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Use proper personal protective equipment.

### **6.2. Environmental precautions**

Do not empty into drains.

### **6.3. Methods and material for containment and cleaning up**

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

### **6.4. Reference to other sections**

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

---

## **SECTION 7: Handling and Storage**

### **7.1. Precautions for safe handling**

Wash thoroughly after handling. Avoid breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse.

### **7.2. Conditions for safe storage, including any incompatibilities**

Preserve in well-closed containers. Store at room temperature.

### **7.3. Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

---

## **SECTION 8: Exposure Controls/Personal Protection**

### **8.1. Control parameters**

#### **Occupational exposure limit values (Workplace Exposure Limits)**

Contains no substances with occupational exposure limit values.

### **8.2. Exposure controls**

**Eye/face protection**  
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

### Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Respiratory protection is not required. Where protection from nuisance level (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

---

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Yellow
Odour:	No data available
Melting point / freezing point:	-10°C
Boiling point or initial boiling point and boiling range	No data available
Flammability:	Non flammable
Lower and upper explosion limit:	No data available
Flash point:	234°C at 101.325 kPa
Auto-ignition temperature:	401°C at 101.325 kPa
Decomposition temperature:	Not applicable
pH:	No data available
Kinematic viscosity:	637 - 4 254 mPa.s
Solubility(ies):	Water solubility: 40µg/L at 20°C and pH 6.2
Partition coefficient n-octanol/water(log value):	6.1 at 23°C
Vapour pressure:	0 Pa at 25°C
Density and/or relative density:	1.051 g/cm <sup>3</sup> at 25°C
Relative vapour density:	No data available
Particle characteristics:	Not applicable

## 9.2. Other information

### Information with regard to physical hazard classes

Explosive properties:

Non-explosive

Oxidising properties:

No oxidizing properties

### Other safety characteristics

No data available.

---

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

No data available.

### 10.5. Incompatible materials

Strong acids/alkalis, strong oxidising/reducing agents.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

---

## SECTION 11: Toxicological Information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 Acute toxicity

Acute oral toxicity: LD50 >5 000 mg/kg bw (rat)

Acute inhalation toxicity: No data available

Acute dermal toxicity: LD50 >2 000 mg/kg bw (rat)

#### Skin corrosion/irritation

Not irritating.

#### Serious eye damage/eye irritation

Not irritating.

**Sensitisation**

Not sensitising.

**Germ cell mutagenicity**

No data available.

**Carcinogenicity**

No data available.

**Reproductive toxicity**

No data available.

**STOT-single exposure**

No data available.

**STOT-repeated exposure**

No data available.

**Aspiration hazard**

No data available.

**11.2. Information on other hazards Endocrine disrupting properties**

The substance does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

**Other information**

No data available.

---

**SECTION 12: Ecological Information****12.1. Toxicity**

Toxicity to fish: EC50 (4 days) >0.5 mg/L

Toxicity to daphnia: EC50 (48 h) >0.023 mg/L

Toxicity to Algae/aquatic plants: EC50 (72 h) >220 mg/L

**12.2. Persistence and degradability**

Biodegradation in water: Poorly biodegradable

**12.3. Bioaccumulative potential**

BCF (aquatic species): 859 dimensionless

**12.4. Mobility in soil**

Koc (Soil adsorption coefficient): 48 898 at 20°C

**12.5. Results of PBT and vPvB assessment**

This substance is not considered to be PBT or vPvB.

## 12.6. Endocrine disrupting properties

The substance does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## 12.7. Other adverse effects

No data available.

---

## SECTION 13: Disposal Considerations

### 13.1. Waste treatment methods

Disposal should be in accordance with applicable regional, national and local laws and regulations.

### Contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

---

## SECTION 14: Transport Information

### 14.1. UN number

<b>ADR</b>	3082
<b>IMDG</b>	3082
<b>IATA</b>	3082
<b>ADN</b>	3082
<b>RID</b>	3082

### 14.2. UN proper shipping name

<b>ADR</b>	Environmentally hazardous substance, liquid, n.o.s. 2-Ethylhexyl 2-cyano-3,3-diphenylacrylate
<b>IMDG</b>	Environmentally hazardous substance, liquid, n.o.s. 2-Ethylhexyl 2-cyano-3,3-diphenylacrylate
<b>IATA</b>	Environmentally hazardous substance, liquid, n.o.s. 2-Ethylhexyl 2-cyano-3,3-diphenylacrylate
<b>ADN</b>	Environmentally hazardous substance, liquid, n.o.s. 2-Ethylhexyl 2-cyano-3,3-diphenylacrylate
<b>RID</b>	Environmentally hazardous substance, liquid, n.o.s. 2-Ethylhexyl 2-cyano-3,3-diphenylacrylate



#### 14.3. Transport hazard

**class(es)ADR** 9

<b>IMDG</b>	9
<b>IATA</b>	9
<b>ADN</b>	9
<b>RID</b>	9
<b>ADR</b>	III
<b>IMDG</b>	III
<b>IATA</b>	III
<b>ADN</b>	III
<b>RID</b>	III

#### 14.4. Environmental hazards

<b>ADR</b>	Marine pollutant:	Yes
<b>IMD</b>	Marine pollutant:	Yes
<b>G</b>		
<b>IATA</b>	Marine pollutant:	Yes
<b>ADN</b>	Marine pollutant:	Yes
<b>RID</b>	Marine pollutant:	Yes

#### 14.5. Special precautions for user

<b>ADR</b>	Not applicable
<b>IMDG</b>	Not applicable
<b>IATA</b>	Not applicable
<b>ADN</b>	Not applicable
<b>RID</b>	Not applicable

#### 14.6. Maritime transport in bulk according to IMO instruments

Not applicable.

---

### SECTION 15: Regulatory Information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### EU-Regulations

No REACH Annex XVII restrictions

Octocrilene is not on the REACH Candidate List of

SVHCOctocrilene is not on the REACH Annex XIV List

**WGK (Water hazard class)**

WGK 2

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

**15.2. Chemical Safety Assessment**

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

---

**SECTION 16: Other Information****Further information**

Copyright 2020 Bisor Corporation. License granted to make unlimited paper copies for internal use only.

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. Bisor Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.bisorcare.com](http://www.bisorcare.com).