

## Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)  
Classifications according to Regulation (EC) No 1272/2008.  
Printdate 06 Jan 2025

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product name:

Octocrylene

### 1.1. Catalog No.:

677559

### 1.2. Relevant identified uses of the substance or mixture

Identified: Laboratory chemical  
uses: R&D

### 1.3. Uses advised against:

HPC Standards GmbH  
Am Wieseneck 7

04451 Cunnersdorf  
Deutschland

Tel. +49 34291 3372-36  
Fax. +49 34291 3372-39  
contact@hpc-standards.com

### 1.4. Emergency telephone number

HPC Standards Tel. +49 34291 3372-36  
This number is only available during office hours.

## 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture  
Classification according to Regulation (EC) No 1272/2008  
Chronic aquatic toxicity (Category 4), H413 Classification according to EU Directives 67/548/EEC or 1999/45/EC  
R53

### 2.2. Label elements

#### 2.2.1. Pictogram

#### 2.2.2.

2.2 Label elements  
Labelling according Regulation (EC) No 1272/2008  
Pictogram none  
Signal word none  
Hazard statement(s)  
H413 May cause long lasting harmful effects to aquatic life.  
Precautionary statement(s) none  
Supplemental Hazard  
Statements  
None 2.3 Other hazards - none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances  
Formula : C<sub>24</sub>H<sub>27</sub>NO<sub>2</sub>  
Molecular Weight : 361,48 g/mol  
CAS-No. : 6197-30-4  
EC-No. : 228-250-8  
Hazardous ingredients according to Regulation (EC) No 1272/2008  
Component Classification Concentration  
2-Ethylhexyl 2-cyano-3,3-diphenylacrylate  
CAS-No.  
EC-No.  
6197-30-4  
228-250-8  
Aquatic Chronic 4; H413 &lt;= 100 %  
Hazardous ingredients according to Directive 1999/45/EC  
Component Classification Concentration  
2-Ethylhexyl 2-cyano-3,3-diphenylacrylate  
CAS-No.  
EC-No.  
6197-30-4  
228-250-8  
R52 &lt;= 100 %

### 3.1.1. Formula

C<sub>24</sub>H<sub>27</sub>NO<sub>2</sub>

### 3.1.2. Molecular Weight (g/mol)

361.48

### 3.1.3. CAS-No.

6197-30-4

## 4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

no data available

## 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Hydrogen cyanide (hydrocyanic acid)

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary

5.4 Further information

no data available

## 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

For precautions see section 2.2.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

### 7.3 Specific end use(s)

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

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Components with workplace control parameters

### 8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and

at the end of workday.

Personal protective equipment

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. Body Protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

a) Appearance Form: viscous liquid

Colour: yellow

b) Odour no data available

c) Odour Threshold no data available

d) pH no data available

e) Melting point/freezing point

Melting point/range: -10 °C

f) Initial boiling point and boiling range

218 °C at 2,0 hPa

g) Flash point 234 °C - closed cup

h) Evaporation rate no data available

i) Flammability (solid, gas) no data available

j) Upper/lower flammability or explosive limits  
no data available

k) Vapour pressure 0,3 hPa at 179 °C

l) Vapour density no data available

m) Relative density 1,051 g/cm<sup>3</sup>

n) Water solubility 0,0013 g/l at 20 °C

o) Partition coefficient: octanol/water

log Pow: 6,1 at 23 °C

p) Auto-ignition temperature

401 °C at 1.006 - 1.023 hPa

q) Decomposition temperature

no data available

r) Viscosity no data available

s) Explosive properties no data available

t) Oxidizing properties no data available

9.2 Other safety Information no data available

## 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 oxidizing agents
- 10.6 Hazardous decomposition products  
Other decomposition products - no data available  
In the event of fire: see section 5

## 11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects  
Acute toxicity  
LD50 Oral - rat - male and female - > 5.000 mg/kg  
(Fixed Dose Method)  
LD50 Dermal - rat - male and female - > 2.000 mg/kg  
(OECD Test Guideline 402)  
Skin corrosion/irritation  
Skin - rabbit  
Result: No skin irritation - 4 h  
(OECD Test Guideline 404)  
Serious eye damage/eye irritation  
Eyes - rabbit  
Result: No eye irritation - 24 h  
(OECD Test Guideline 405)  
Respiratory or skin sensitisation  
Maximisation Test - guinea pig  
Result: Does not cause skin sensitisation.  
(OECD Test Guideline 406)  
Germ cell mutagenicity  
Result: Not mutagenic in Ames Test.  
Carcinogenicity  
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
Reproductive toxicity  
no data available  
Specific target organ toxicity - single exposure  
no data available  
Specific target organ toxicity - repeated exposure  
no data available  
Aspiration hazard  
no data available  
Additional Information  
Repeated dose toxicity - rat - male and female - No observed adverse effect level - 175 mg/kg - Lowest observed adverse effect level - 340 mg/kg  
RTECS: Not available  
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

## 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity  
Toxicity to fish static test LC50 - *Leuciscus idus* (Golden orfe) - > 10.000 mg/l - 96 h  
Toxicity to daphnia and other aquatic invertebrates  
Immobilization EC50 - *Daphnia magna* (Water flea) - > 100 mg/l - 48 h  
(OECD Test Guideline 202)  
Toxicity to algae Growth inhibition EC50 - *Desmodesmus subspicatus* (green algae) - > 220 mg/l - 72 h  
(OECD Test Guideline 201)  
Toxicity to bacteria Respiration inhibition IC50 - Sludge Treatment - > 10.000 mg/l - 30 min  
(OECD Test Guideline 209)  
12.2 Persistence and degradability  
Biodegradability aerobic - Exposure time 28 d  
Result: 0 - 10 % - Not readily biodegradable.  
(OECD Test Guideline 301F)  
12.3 Bioaccumulative potential  
Bioaccumulation *Danio rerio* (zebra fish) - 28 d  
- 0,0001 mg/l  
Bioconcentration factor (BCF): 915  
(OECD Test Guideline 305)  
12.4 Mobility in soil  
no data available  
12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted  
12.6 Other adverse effects

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

### 14. TRANSPORT INFORMATION

#### 14.1 UN number

ADR/RID: - IMDG: - IATA: -

#### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

#### 14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

#### 14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

#### 14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

#### 14.6 Special precautions for user

no data available

### 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

#### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

### 16. OTHER INFORMATION

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. For lab use only!