

MATERIAL SAFETY DATA SHEET

OCTOCRYLENE

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Common name: OCTOCRYLENE
Manufacturer:

SECTION 2- COMPOSITION/INFORMATION ON INGREDIENTS

CAS No: 6197-30-4
Chemical name: 2-propenoic acid, 2-cyano-3,3-diphenyl, 2-ethylhexyl ester
Molecular formula: C₂₄H₂₇NO₂
Molecular weight: 361.48

SECTION 3- HAZARDS IDENTIFICATION

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 4- FIRST AID MEASURES

Inhalation: Fresh air.
Skin contact: Wash off with plenty of water. Remove contaminated clothing.
Eye contact: Rinse out with plenty of water with the eyelid held wide open. Summon eye specialist if necessary.
Swallowing: Make victim drink plenty of water, induce vomiting, summon doctor if feeling unwell.

SECTION 5- FIRE FIGHTING MEASURES

Suitable extinguishing media: CO₂ foam.
Special risks: Combustible: Development of hazardous combustion gas or vapors possible in the event of fire. The following may develop in event of fire: nitrogen oxides. Special protective equipment for is needed for fire fighting. Do not stay in dangerous zone without self-contained breathing apparatus.
Other information: Contain escaping vapors with water. Prevent fire-fighting water

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from entering surface water or groundwater

SECTION 6- ACCIDENTAL RELEASE MEASURES

Environmental-protection measures: Do not allow to enter sewage system.
Procedures for cleaning / absorption: Take up with liquid-absorbent material (e.g. Chemizorb.). Forward for disposal. Clean up affected area.

SECTION 7- HANDLING AND STORAGE

Handling: No further requirements.
Storage: Tightly closed. Cool. Below 30°C

SECTION 8- EXPOSURE CONTROLS, PERSONAL PROTECTION

Personal protective equipment : Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier generated.

Eye protection: Required.
Hand protection: Required.
Industrial hygiene: Change contaminated clothing. Wash hands after working with substance.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear Yellow viscous liquid.
Assay(GC): 98%min
Refractive Index: 1.561-1.571
Specific Extinction: $340 \leq E_{303 \pm 2} \leq 370$
Acidity(0.1mol/L NaOH): $\leq 0.18 \text{ml/g}$
Gardener Color: ≤ 4

SECTION 10- STABILITY AND REACTIVITY

Conditions to be avoided: None
Substances to be avoided : None
Hazardous decomposition products in the event of fire: See chapter 5.
Further information: None

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SECTION 11- TOXICOLOGICAL INFORMATION

Acute toxicity: LD50(oral, rat)..>67000mg/kg.

Further data:

Specific symptoms in animal studies:

Skin irritation test (rabbit): .No irritation.

Eye irritation test (rabbit): No irritation.

Bacterial mutagenicity:

Ames-Test No indication of mutagenic activity.

Sensitization test (Magnusson and Kligman): ..No sensitizing effect.

Non phototoxic: No toxic effects are to be expected when the product is handled appropriately.

SECTION 12- ECOLOGICAL INFORMATION

Biologic degradation: Slightly biodegradable.

Behavior in environmental compartments:

logP (oct)..6.88.

Eco-toxic effects..

Biological effects..

Toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Fish toxicity: L.idus LC50..>10000mg/1/96h.

Bacterial toxicity: .Daphnia EC50..3.6mg/1.

When introduced properly, no impairments in the function of adapted biological waste-watertreatment plants are to be expected.

Further ecologic data: Do not allow to enter waters. Waste water or soil.

SECTION 13- DISPOSAL CONSIDERATIONS

Product. There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which advise you on how to dispose of special waste.

Packaging: Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

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SECTION 14- TRANSPORT INFORMATION

IATA Not regulated as a hazardous material.

IMO Not regulated as a hazardous material.

RID/ADR Not regulated as a hazardous mate.

SECTION 15- REGULATORY INFORMATION

Labeling according to EC Directives

Symbol: N Dangerous for the environment

R-phrases: 51/53 Toxic to aquatic organisms, may cause long-term

S-phrases: 61 Avoid release to the environment. Refer to special instructions/

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SECTION 16- OTHER INFORMATION

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The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.