

OptiSource™

The Optical Supply Resource

40 Sawgrass Drive, Bellport, NY 11713-1564

1-800-OptiSource(678-4768) | Intl: +1.631.924.8360 | Fax: 631.924.9377 | 1-800-OptiSource.com

1. Identification

UV Solution

Product identifier on label: 99-CCUV, 99-CCUKUV, 99-CEUV, 99-HDUV, 99-HDUKUV, 99-CEUVNB, 99-UKUVNB, 99-UKUV, 99-UKUVNY

Other means of identification: UV Solution

Recommended use of the chemical and restriction on use Unsuitable for use: This product is intended for use in applying UV solution to lenses. Any other use is not recommended by the manufacturer.

Details of the supplier of the safety data sheet

Company: OptiSource

40 Sawgrass Drive,
Bellport, NY 11713

Telephone: +1 631-924-8360

24 Hour emergency telephone number

CHEMTREC: : +1-703-527-3887

2. Hazards Identification



Signal word: Danger

Hazard Classification

Acute toxicity oral category 4

Eye damage/irritation category 1

Toxic to reproduction category 1A

Hazard Statements

Harmful if swallowed

Causes serious eye damage

May damage fertility or unborn child

Highly flammable liquid and vapor

Precautionary Statements:

Wash point of exposure thoroughly after handling

Do not eat, drink or smoke when using this product

Wear eye/face protection

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/clothing/eye protection/face protection

Keep away from heat/sparks/open flames/hot surfaces- no smoking

Wear protective gloves/clothing/eye protection/face protection

Response Statements

If Swallowed: Immediately call a poison center/doctor/chemtrec

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing, Immediately call a poison center/doctor/chemtrec

If exposed or concerned: get medical advice/attention

Take off immediately all contaminated clothing and wash before reuse

In case of fire, use carbon dioxide, foam or dry chemical extinguishers. Water may spread flame.

Hazards not otherwise classified

The product is under certain conditions capable of dust explosion.

3. Composition / Information on Ingredients

Hazardous ingredients by concentration

Ethanol: 12% (CAS 64-17-5)

Chemical identity of 46% of mixture withheld as proprietary trade secret mixture

Nonhazardous components:

Water: 42%

4. First-Aid Measures

If Swallowed: Immediately call a poison center/doctor/chemtrec

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing, Immediately call a poison center/doctor/chemtrec

If exposed or concerned: get medical advice/attention

Skin Contact: Take off immediately all contaminated clothing and wash before reuse

If inhaled: Keep patient calm, remove to fresh air. If symptoms persist, seek medical advice

In case of fire, use carbon dioxide, foam or dry chemical extinguishers. Water may spread flame

Most important symptoms and effects, both acute and delayed

Symptoms: Further important symptoms and effects are so far not known. The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

Further information on immediate medical attention and special treatments not available.

5. Fire-Fighting Measures

Extinguishing media

(30088774/SDS_GEN_US/EN)

Suitable extinguishing media: carbon dioxide, dry powder, foam

Unsuitable extinguishing media: Large amounts of water may spread fire

Special hazards arising from the substance or mixture Hazards during fire-fighting: carbon monoxide, carbon dioxide, nitrogen oxides

Advice for fire-fighters: Protective equipment for fire-fighting: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information: Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing media separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures **Avoid dust formation.**

Wear appropriate respiratory protection. Use personal protective clothing. Ensure adequate ventilation.

Environmental precautions Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up **Spills:** Absorb spill with inert material. Media should be contained, solidified, and placed in suitable containers for disposal.

7. Handling and Storage

Precautions for safe handling: Avoid dust formation. Processing machines must be fitted with local exhaust ventilation.

Protection against fire and explosion: Avoid dust formation. The product is capable of dust explosion.

Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place. No known incompatibilities.

8. Exposure Controls/Personal Protection

OSHA PEL: No data available.

Engineering controls: It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as 30088774/SDS_GEN_US/EN) exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

Personal protective equipment

Hand protection: Chemical resistant protective gloves

Eye protection: Safety glasses with side-shields.

Body protection: Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures: Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended. Handle in accordance with good industrial hygiene and safety practice. Wash soiled clothing immediately.

9. Physical and Chemical Properties

Form: liquid

Odour: characteristic

Odour threshold: No applicable information available.

Colour: varies

pH value: no data available

Melting point: no data available

Boiling point: no data available

Sublimation point: no data available

Flash point: no data available

Flammability: no data available

Lower explosion limit: no data available.

Upper explosion limit no data available.

Autoignition: not determined

Vapour pressure: no data available.

Density: no data available

Relative density: No applicable information available.

Bulk density: no data available

Vapour density: no data available

Partitioning coefficient n- octanol/water (log Pow): no data available

Self-ignition temperature: Based on its structural properties the product is not classified as self-igniting.

Thermal decomposition: no data available

Viscosity, dynamic: not determined

Viscosity, kinematic no data available.

Solubility in water: no data available

Solubility (quantitative): no data available

Solubility (qualitative): no data available

Evaporation rate no data available

10. Stability and Reactivity

Reactivity: No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: No corrosive effect on metal.

Oxidizing properties: Based on its structural properties the product is not classified as oxidizing.

Minimum ignition energy: No data available.

Chemical stability The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions Dust explosion hazard.

Incompatible materials strong acids, strong bases, strong oxidizing agents

Conditions to avoid: Formation of dust

Hazardous decomposition products

Decomposition products: Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition: No decomposition if correctly stored and handled.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact.

Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity Assessment of acute toxicity: Harmful if swallowed.

Oral Type of value no data available for this mixture.

Assessment other acute effects Assessment of STOT single: no data available for this mixture.

Skin Species: no data available for this mixture

Eye Species: no data available for this mixture

Sensitization Assessment of sensitization: no data available for this mixture.

Mouse Local Lymph Node Assay (LLNA) no data available for this mixture.

Aspiration Hazard no data available for this mixture

Chronic Toxicity/Effects

For information on routes of exposure please see sections 2 and 4

Carcinogenicity Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.

None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.

Reproductive toxicity Assessment of reproduction toxicity: Based on the ingredients, there is suspicion of a toxic effect on reproduction.

Teratogenicity Assessment of teratogenicity: no data available for this mixture

Symptoms of Exposure

Further important symptoms and effects are so far not known. The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 4

12. Ecological Information Toxicity

Aquatic toxicity Assessment of aquatic toxicity: Acutely harmful for aquatic organisms. Depending on local conditions and existing concentrations, disturbances in the biodegradation process of activated sludge are possible.

Toxicity to fish LC50 (96 h) 22 - 46 mg/l, *Leuciscus idus* (DIN 38412 Part 15, static) The details of the toxic effect relate to the nominal concentration.

Aquatic invertebrates EC50 (48 h) 52.5 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static) The details of the toxic effect relate to the nominal concentration.

Aquatic plants EC50 (72 h) 27.9 mg/l (growth rate), *Desmodesmus subspicatus* (OECD Guideline 201, static) The details of the toxic effect relate to the nominal concentration.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms DIN 38412 Part 27 (draft) static bacterium/EC50 (0.5 h): 5,800 mg/l The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested. The details of the toxic effect relate to the nominal concentration.

OECD Guideline 209 aerobic activated sludge, domestic/EC20 (0.5 h): approx. 34 mg/l

Persistence and degradability

Assessment biodegradation and elimination (H2O) The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

Elimination information

(30088774/SDS_GEN_US/EN)

0 - 10 % DOC reduction (28 d) (OECD 301E; 84/449/EEC, C.3) (aerobic, activated sludge, domestic)

90 - 100 % DOC reduction (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

Bioaccumulative potential

Bioaccumulation potential Significant accumulation in organisms is not to be expected.

Mobility in soil

Assessment transport between environmental compartments The substance will not evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is expected.

13. Disposal considerations

Waste disposal of substance: Dispose of in accordance with all state, local and federal regulations

14. Transport Information

Product is not regulated for transportation

15. Regulatory Information

Federal Regulations

EPCRA 311/312 (Hazard categories): Acute; Fire (Combustible Dust)

HMIS III rating

16. Other Information

Date of last revision: 06/21/2022

Date of preparation: 06/21/2022

The data for this safety data sheet was compiled using supplier safety data sheets.

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:

Updates made in accordance with implementation of GHS requirements.

Disclaimer:

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Prepared by: OptiSource

Phone Number: (631)-924-8360 (U.S.A.)