

OptiSource™

The Optical Supply Resource

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SAFETY DATA SHEET

Spinon

1. Identification

Product name: Spinon

Other means of identification: 99-Spinon

Recommended use: UV coating for optical lenses

Restrictions on use: Only use in recommended manner

Manufacturer information:

OptiSource

40 Sawgrass Drive

631-924-8360

Emergency phone +1-703-527-3887

2. Hazards identification

Hazard Pictogram



Signal Word: Warning

Hazard Classification:

Sensitization- Skin Category 1A

Eye Damage/Irritation: Category 2A

Hazard Statements

May cause an allergic skin reaction

Causes serious eye irritation

Precautionary Statements:

Wash point of contact thoroughly after handling

Wear eye/face protection/gloves

Do not breathe dust/fumes/gas/mist/vapors/spray

Contaminated work clothing must not be allowed out of the workplace

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

If eye irritation persists: Get medical advice/attention

If on skin: wash with plenty of water(may recommend appropriate cleansing agent to use with water, or when water is clearly inappropriate)

if skin irritation or rash occurs: get medical advice/attention

Hazards not otherwise classified

Inhalation This product is a sensitizer. May produce irritation and/or an allergic reaction in the respiratory tract if inhaled.

Skin Contact This product is a sensitizer. May produce an allergic reaction by skin contact. Skin irritant.

Eye Contact May produce eye irritation.

Ingestion Harmful if swallowed; chemical irritant.

3. Composition/information on ingredients

Substance/mixture : Substance

Hazardous ingredients:

Photoinitiators: 5-25% CAS NO 211510-16-6, 442536-96-4

4. First aid measures

Description of necessary first aid measures

Inhalation Remove patient from exposure. Keep patient at rest and give oxygen if breathing difficult. If symptoms develop, obtain medical attention.

Skin Contact Remove contaminated clothing immediately and drench affected skin with plenty of water. If irritation (redness, rash, blistering) develops, get medical attention.

Eye Contact Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.

Ingestion Avoid ingestion. Do not induce vomiting. Get immediate medical attention.

Most Important Symptoms And Effects, Both Acute And Delayed

Acute: Product is not known to be acutely toxic. Some important symptoms and effects are so far not known. Delayed And Chronic Effects: This product contains a sensitizer that may trigger an allergic reaction by inhalation or skin contact in some individuals.

Indication Of The Immediate Medical Attention And Special Treatment Needed

Treat symptomatically.

5. Fire-fighting measures

FLASH POINT °F(TCC): none

EXTINGUISHING MEDIA:

Use Class A extinguishing agents, preferably dry chemical, foam or water spray.

No known unsuitable extinguishing agents

Special protective equipment for fire-fighters: Promptly isolate the scene by removing all persons from vicinity of incident if there is a fire. Always use NIOSH approved self-contained breathing apparatus as well as full fire equipment if necessary.

Specific hazards arising from the chemical: If powder is finely dispersed in air it may ignite explosively in the presence of an open flame.

Hazardous thermal decomposition products: None known.

6. Accidental release measures

Clean Up : Sweep up spill or mop up and use absorbent material (e.g. vermiculite) and transfer to a closed container. Avoid Contact skin or eye contact, thoroughly wash point of contact if exposed. Ensure proper ventilation. If proper ventilation is unavailable an appropriate respirator is recommended.

Disposal: Dispose of in accordance with local, state, and federal regulations.

7. Handling and storage

HANDLING: Do not use in poorly ventilated or confined spaces

Avoid contact with skin and eyes. Wash hands before eating, drinking or smoking.

Avoid accumulation of vapors or mists. Use only in well-ventilated areas.

Conditions For Safe Storage, Including

Any Incompatibilities

Store in the original container in a cool, dry well ventilated area. Keep containers tightly sealed.

Storage Temperature Ambient.

Storage Life Not available

Incompatible Materials

Separate from oxidizers (oxygen), (explosives), (halogens), (compressed air) (acids), (bases) (and food chemicals) etc. in transport (and storage).

8. Exposure controls/personal protection

OSHA PEL- No data available

Engineering Controls

Do not use in closed or confined spaces. Open doors and,/or windows. If adequate environmental control is not available use NIOSH approved air supply respirator.

Protective equipment to be used

Respiratory protection: a NIOSH/MSHA approved air supply respirator is advised in the absence of proper environmental control.

Ventilation: provide sufficient mechanical (general and/or local exhaust) ventilation to maintain low exposure.

Protective gloves: Wear protective gloves

Eye protection: Avoid eye contact. Wear protective eyewear

Body Protection: Avoid skin contact. Wear suitable protective clothing and gloves. A rubber apron should be worn as further protection.

Other information Remove contaminated, saturated clothing immediately. Contaminated clothing should be thoroughly cleaned. Eyewash and safety shower should be readily accessible from work area.

9. Physical and chemical properties

Appearance Clear Liquid

Odor Mild ester

Odor threshold not available

Ph Not available

Melting/freezing point Not available

Boiling point and boiling range >200C

Flash point >150C

Evaporation rate No data available

Flammability not available

Flammability limits No data available

Vapor pressure No data available

Vapor density No data available

Relative density 1.13 g/cc

Solubility Insoluble

Partition coefficient: n-octanol/water No data available

Auto-ignition temperature No data available

Decomposition temperature not available

Viscosity dynamic 38 (+/-5) CPS

10. Stability and reactivity

Reactivity : Slight

Chemical stability : Stable if stored at < 35 C

Possibility of hazardous reactions: Heat, direct light, ultraviolet light, strong oxidizers, acids, and bases may produce hazardous polymerization.

Conditions to avoid : Avoid heat, direct sunlight, ultraviolet light, strong oxidizers, acids, and bases.

Incompatible materials : Strong oxidizers, acids, and bases

Hazardous decomposition: Oxides of carbon and formaldehyde.

Section 11. Toxicological information

Information on toxicological effects

Photoinitiators: CAS NO 211510-16-6, 44253-96-4

LD 50 (oral, rat) >2500mg/kg (dermal, rat) > 2000 mg/kg

Mixtures

Acute Toxicity

Inhalation may cause respiratory irritation and possible allergic reaction.

Skin Contact Skin sensitizer! Produces skin irritation and possible allergic dermatitis by skin contact.

Eye Contact Eye irritant. May cause tearing and redness.

Ingestion May cause gastrointestinal irritation. Harmful if swallowed. Nausea and vomiting.

Irritation Causes eye and skin irritation. May cause respiratory irritation. May cause transient irritation.

Sensitizer may produce allergic reactions.

Corrosivity Not to be expected.

Sensitisation No data.

Repeated Dose Toxicity No data.

Carcinogenicity No data.

Mutagenicity No data.

Toxicity For Reproduction No data.

Other Information None

Potential delayed effects: no data available

12. Ecological information

Ecological Information: Normal recommended use releases little product to the environment.

Responsible manufacturing

applications should include provisions for spill containment and measures to control loss of volatiles.

13. Disposal considerations

Disposal Information: All notification, clean-up and disposal should be carried out in accordance with federal, state and local regulations. Preferred methods of waste disposal are incineration or biological treatment in a federal/state approved waste disposal facility.

14. Transport Information

Proper shipping name

DOT : Not regulated.

Not regulated. IMDG :

Not regulated. IATA :

Not regulated.

United States Regulations

Clean Air Act - Ozone This product does not contain nor is it manufactured with ozone depleting substances. Depleting Substances (ODS)

Regulatory information

DOT Classification

Not regulated.

TDG Classification -

PG: Packing group

Not regulated.

IMDG Classification Not regulated.

IATA Classification Not Regulated

15. Regulatory information

TSCA (Toxic Substance Control Act) Listed

SARA 311/312 - Hazard Categories Acute health, Chronic health

SARA 302 - Extremely Hazardous Substances Listed - None

SARA 313 - Toxic Chemicals Listed - None

CERCLA (Comprehensive Environmental
Response Compensation and Liability Act)

Listed - None

CAA (Clean Air Act 1990) Listed - None

CWA (Clean Water Act) Listed - None

State Right to Know Lists Listed -None

Proposition 65 (California) - This product contains the following substance(s) known to the state of California to cause cancer and/or reproductive harm: Formaldehyde, Methacrylic Acid, Epichlorohydrin in trace amounts.

Canada

WHMIS Classification Class D Division 2, Subdivision B, Material Having
Other Toxic Effects (Sensitizer)

Section 16. Other information

Date of last revision: 06/21/2022

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