



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

Safety Data Sheet

Lens Marking Ink

SECTION 1 Product Identification

Product Identifier: Lens Marking Ink (Black)

Other means of identification: 99-OSMIB

Recommended use: Lens Marking

Restrictions on use: For use only in recommended manner

Company Identification: OptiSource

40 Sawgrass Dr
Bellport, NY 11713

24 hour emergency number: +1-703-527-3887

SECTION 2 Hazards Identification

EMERGENCY OVERVIEW:

Signal word: Danger!



GHS Classification:

Flammable liquids Category 2

Skin irritation Category 2

Eye irritation Category 2B

Specific target organ toxicity (Single exposure) Category 3

Target Organs: Nerves, Liver, Heart

GHS Label Elements, including Precautionary Statements:

Hazard Statements: Highly Flammable liquid and vapor.

Causes skin and eye irritation. May cause respiratory irritation.

Precautionary Statements: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep Container tightly closed

Ground/Bond container and receiving equipment

Use explosion proof electrical/ventilation/lighting/ (specify other equipment) equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Wash point of contact thoroughly after handling

Wear protective gloves/clothing/eye protection/face protection

Use only outdoors or in a well ventilated area

Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use personal protective equipment as required.

Response Statements

IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention

Take off immediately all contaminated clothing and wash before reuse

In case of fire use water spray, foam, dry chemical or CO₂. Alcohol resistant foams are preferred.

If on skin: wash with plenty of water

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

Take off immediately all contaminated clothing and wash before reuse

If inhaled: Remove person to fresh air and keep comfortable for breathing

Call a poison control center/doctor/chemtrec if you feel unwell

Potential Health Effects:

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness. Skin: May be harmful if absorbed through skin. Causes skin irritation. Eyes: Causes eye irritation. Ingestion: May be harmful if swallowed. Aspiration hazard if swallowed - can enter lungs and cause damage.

Hazards Not Otherwise Classified:

None Known.

SECTION 3 Composition/Information on Ingredients

Components:

Water- CAS 7732-18-5, 40-45%

Sorbitol- CAS 50-70-4, 15-20%

Ethanol- CAS 64-17-5 30-40%

1-5% of this mixture has been withheld as a trade secret.

There is no toxicity data available for this mixture. The hazards associated with overexposure to this mixture are assumed to be due to exposure to the components

SECTION 4 First-Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Obtain medical attention. Eye wash fountain should be located in immediate work area.

Skin Contact: Wash skin with plenty of water.

Take off immediately all contaminated clothing and wash before reuse

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Ingestion: If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Most important symptoms acute or delayed: None known other than those described above.

SECTION 5 Fire-Fighting Measures

Flash Point: >60 °F

Fire and Explosion Hazards: Flammable Liquid. Dangerous fire hazard when exposed to heat or flame.

Extinguishing Media: Water spray, foam, dry chemical, carbon dioxide. Alcohol resistant foams (ATC) are preferred, if available.

Special Fire Fighting Procedures: Firefighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode. Use water spray to cool fire exposed area. Use water spray to protect personnel. Water on fire may cause frothing. Fire should go out due to water in ink.

Unusual Fire and Explosion Hazards: This flammable liquid must be kept away from sparks, open flame, hot surfaces, and all sources of heat and ignition. Decomposition materials may emit acrid smoke and irritating fumes. Never use welding or cutting torch on or near drum (including empty) because product can ignite explosively.

SECTION 6 Accidental Release Measures

Spill Procedure: Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an

appropriate container or absorb with an inert material (i.e., vermiculite, dry sand, and earth), and place in a chemical waste container. Do not use combustible materials, such as sawdust. Do not flush to sewer! If leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.

US Regulations (CERCLA) require reporting spills and releases to soil, water, and air in excess of reportable quantities.

SECTION 7 Handling and Storage

Handling: Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard. Separate from incompatibles. Storage and use areas should be NO SMOKING areas. Use non-sparking tools and equipment. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

Storage Precautions: Store in a cool, dry, well ventilated place, in securely closed original container.

Flammable/combustible - Keep away from oxidizing agents, heat and flames.

SECTION 8 Exposure Controls/Personal Protection

OSHA PEL: Ethanol CAS 67-17-5 OSHA PEL 1000ppm ACGIH TLV 1000ppm

Protective equipment/Engineering Controls

Eye Protection: Use chemical safety glasses or goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Use explosion-proof equipment.

Respiratory Protection: Appropriate respiratory protection is required when exposure to airborne contaminant is likely to exceed acceptable limits. Respirators should be selected and used in accordance with OSHA Part 1910.134 and manufacturer's recommendations.

Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or overalls, as appropriate, to prevent skin contact. Check with your safety supplier for the proper chemical-resistant gloves.

SECTION 9 Physical and Chemical Properties

Appearance: Black Liquid

Solubility in Water (by weight) at 20°C: 100 %

Odor: Fragrant

Odor Threshold: No data

PH: No data available

Flash Point: 60 F

Flammability: No data available

Upper/lower flammability limits: No data available

Relative Density: No data available

Partition Coefficient: No data available

Auto-ignition temperature: no data available

Decomposition temperature: no data available

Viscosity: no data available

Specific Gravity (H₂O = 1): 0.811 20 °C / 20 °C

Boiling Point (760 mmHg): ~78.1 °C (172.6 °F)

Vapor Pressure at 20°C: 6.81 kPa 51.1 mmHg

Freezing Point: < -90 °C < -130 °F

Vapor Density (air = 1): 1.5

Melting Point: -121° F

Evaporation Rate (Butyl Acetate = 1): 3.7

SECTION 10 Stability and Reactivity

Reactivity: No data available

Stability: Stable

Conditions to Avoid: None

Incompatibility (materials to avoid): Oxidizing Agents

Hazardous Decomposition Or By-Products: Burning may produce CO and CO2.

Hazardous Polymerization: Will not occur.

SECTION 11 Toxicological Information

Numerical estimates on toxicity: No data available

Information on likely routes of exposure, symptoms and effects can be found in section 4 (first-aid)

No components of this mixture are listed under NTP or IARC as known Carcinogen

SECTION 12 Ecological Information

Ecological Data: There is no data available at this time.

SECTION 13 Disposal Considerations

Waste Disposal Method: Recovered non-usable material may be regulated as a hazardous waste due to its ignitibility and/or its toxic characteristics. It is the responsibility of the user to determine if the material is a RCRA "hazardous waste" at the time of disposal. Transportation, treatment, storage, and disposal of waste material must be conducted in accordance with RCRA regulations. State and/or local regulations may be more restrictive.

SECTION 14 Transport Information

USDOT and IMDG Regulations

Proper Shipping Name – UN1210, Printing Ink, 3, PG II Hazard Class – 3 (Flammable Liquid) Identification Number – UN1210 Label Required – Flammable

IATA Regulations

Proper Shipping – UN1210, Printing Ink, 3, PG II

SECTION 15 Regulatory Information

Toxic Substances Chemical Inventory (TSCA): This product (and/or all of its components) is in compliance with USEPA TSCA.

SECTION 16 Other Information

HMIS Hazard Rating: Health – 1; Fire – 2; Reactivity – 0 **NFPA Hazard Rating:** Health – 1; Fire – 2; Reactivity – 0

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DISCLAIMER:

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