

**SECTION 1: Identification**

**1.1. Identification**

Product form Mixture  
Product name OptiSource Marking Ink

**1.2. Recommended use and restrictions on use**

Recommended use Marking on optical lenses

**1.3. Supplier**

OptiSource  
40 Sawgrass Drive  
Bellport, NY 11713

**1.4. Emergency telephone number**

Phone: (631) 924-8360  
Fax: (631) 924-8375  
Emergency number INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

**SECTION 2: Hazards Identification**

**GHS Label Elements, including Precautionary Statements:**

**Target Organs:** Skin

**GHS Classification:** Flammable liquids (Category 3); Eye irritation (Category 2A); Acute Toxicity, Dermal (Category 4).



**Pictograms:**

**Signal Word:** Warning

**Hazard Statements:** Highly flammable liquid and vapor.  
Causes serious irritation.  
Harmful in contact with skin.

**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/ ventilating/ lighting equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wash skin thoroughly after handling.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.  
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Call a POISON CENTER/doctor if you feel unwell.  
If eye irritation persists: Get medical advice/ attention.  
Wash contaminated clothing before reuse.  
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.  
Store in a well-ventilated place. Keep cool.  
Dispose of contents/ container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC) or not covered by GHS - none.**

### SECTION 3: Composition/Information on Ingredients

| Contents           | Synonyms | Percent by Weight | CAS No.     | OSHA PEL | ACGIH TLV | LISTED CARCINOGEN (IARC/OSHA/NTP) |
|--------------------|----------|-------------------|-------------|----------|-----------|-----------------------------------|
| Water              |          | 60% - 65%         | 7732-18-5   |          |           | No                                |
| 2-Propoxyethanol   | EGPE     | 5% - 10%          | 2807-30-9   |          |           | No                                |
| Sorbitol           |          | 15% - 20%         | 50-70-4     |          |           | No                                |
| Blue Dye           |          | 1% - 5%           | Proprietary |          |           | No                                |
| Yellow Dye (Green) |          | 1% - 5%           | Proprietary |          |           | No                                |
| Violet Dye (Blue)  |          | 1% -5%            | Proprietary |          |           | No                                |

### SECTION 4: First-Aid Measures

#### Description of First Aid Measures:

**Eye Contact:** Flush with copious amounts of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention.

**Skin Contact:** In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Call a physician immediately.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.

**Ingestion:** Inducing vomiting should only be performed under the direct supervision of medical personnel. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

**Most important symptoms and effects, both acute and delayed:** The most important known symptoms and effects are described in the labeling (see Section 2) and/or in Section 11.

**Indication of any immediate medical attention and special treatment needed:** No data available.

### SECTION 5: Fire-Fighting Measures

**Flash Point:** >100 °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. The fire is expected to extinguish due to the water content in the 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

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods and materials for containment and cleaning up:** Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

**Reference to other sections:** For disposal see section 13.

## SECTION 7: Handling and Storage

**Precautions for Safe Handling:** Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area that may be a 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.

**Conditions for Storage:** Store in a cool, dry, well ventilated place, in securely closed original container. Flammable/combustible - Keep away from oxidizing agents, heat and flames.

**Specific End Uses:** Apart from the uses mentioned in Section 1 no other specific uses are stipulated.

## SECTION 8: Exposure Controls/Personal Protection

There are NO OSHA PELs or ACGIH TLVs for this ink.

**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:** Liquid  
**Color:** Colored  
**Odor/Taste:** Alcohol-like  
**Odor Threshold:** Not Determined  
**pH:** Not Determined  
**Solubility Description:** Partially Soluble In Water.  
**Boiling Point (°C@760 mmHg):** 70°  
**Melting Point (°F/°C):** N/A  
**Auto ignition Temperature:** Not Determined  
**Partition Coefficient (n-octanol/water):** Not Determined  
**Explosive Properties:** Not Determined

**Flashpoint:** >100°F  
**Flammability (solid, gas):** Not Determined  
**Upper/Lower Flammability:** Not Determined  
**Freezing Point (°F/°C):** -124°/-86°  
**Specific Gravity (@68°F, Water=1):** ~0.90  
**Vapor Density (Air=1):** >2.5  
**Vapor Pressure (mmHg@68° F):** <70  
**Viscosity:** Not Determined  
**Evaporation Rate (Butyl Acetate=1) :** ~1  
**Decomposition Temperature:** Not Determined  
**Oxidizing Properties:** Not Determined

## SECTION 10: Stability and Reactivity

**Reactivity:** No data available.

**Stability:** Stable. Under normal storage conditions, peroxidizable compounds can form and accumulate peroxides which may explode when subjected to heat or shock. This material is most hazardous when peroxide levels are concentrated by distillation or evaporation.

**Possibility of Hazardous Reactions:**

**Conditions to Avoid:** Heat, flames, sparks, ignition sources and incompatibles.

**Incompatibility (materials to avoid):** Oxidizing materials.

**Hazardous Decomposition Products:** Carbon dioxide and carbon monoxide may form when heated to decomposition.

**Hazardous Polymerization:** Will not occur.

## SECTION 11: Toxicological Information

### Information on toxicological effects

**Acute toxicity (2-Propoxyethanol):** LD50 Oral - Rat - male - 3,089 mg/kg - Remarks: (RTECS)  
LD50 Dermal - Rabbit - male - 1,337 mg/kg - Remarks: (ECHA)

**Skin corrosion/irritation:** Drying-out effect resulting in rough and chapped skin.  
Skin – Rabbit - Result: No skin irritation - Remarks: (ECHA)

**Serious eye damage/eye irritation:** Eyes – Rabbit - Result: irritating - Remarks: (ECHA)

**Respiratory or skin sensitization:** Buehler Test - Guinea pig -Result: negative (OECD Test Guideline 406)

## 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 III  
Hazard Class – 3 (Flammable Liquid)  
Identification Number – UN1210  
Label Required – Flammable

### IATA Regulations

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

## 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

**SDS Preparation Date:** 2/6/2020

## DISCLAIMER

The information accumulated herein is believed to be accurate and represents the best data currently available. It is the user's responsibility to determine suitability of use. No warranty, expressed or implied, is made and IIMAK assumes no legal responsibility or liability resulting from its use. Materials comprising <1% by weight, or <0.1% by weight if the chemical is a carcinogen, are not listed herein.