

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name OPTOLINQ™ OLS-1000HF
Applications: Optically clear two-part epoxy resin with low halogen content for the encapsulation for optoelectronic devices
Advised Against No further relevant information available
Supplier Name Caplinq Europe BV

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SECTION 2. HAZARDS IDENTIFICATION

HAZARD PICTOGRAMS:



HAZARD STATEMENTS

P302 Harmful if swallowed
P315/320 Irritate to eyes and skin

PRECAUTIONARY STATEMENTS

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P338 Removes contact lenses if present and easy to do. Continue rinsing.
P351 Rinse cautiously with water for several minutes.
P352 Wash with plenty of soap and water.

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause mild eye irritation.
Ingestion: May be hazardous to the digestive system, cause vomiting and loss of appetite.
Inhalation: May cause respiratory tract irritation, vomiting, and loss of appetite.
Skin Contact: May cause mild skin irritation.
Toxicity: LD₅₀(oral) >5000 mg/kg.

SECTION 3. INGREDIENT COMPOSITION

Part A

No.	Components	CAS Reg. No.	Proportion (%)
1	Bisphenol-A epoxy resin	25068-38-6	95–99
2	Toughener and defoaming agent	Confidential	0.09–4

3	Pigment	Confidential	0.01–1
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Part B

No.	Components	CAS Reg. No.	Proportion (%)
1	Anhydride hardener	19438-60-9	90–98
2	Promoter	90-72-2	1.9–9
3	Antioxidant	Confidential	0.1–1

SECTION 4. FIRST AID MEASURES

EYE CONTACT:

- Immediately flush with plenty of water for at least 15 min.

SKIN CONTACT:

- Immediately flush with plenty of water and soap for at least 15 min.

INHALATION:

- Move victim to fresh air.
- Administer oxygen if breathing is difficult.
- Get medical attention.

INGESTION:

- Do not administer anything orally if the patient is on the verge of losing consciousness, already unconscious, or experiencing convulsions.
- Do not induce vomiting.
- Get medical attention immediately.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- Carbon dioxide, 1211, or foam fire extinguisher.

SECTION 6. ACCIDENTAL RELEASE MEASURES

LEAK/SPILL

- In case of a leakage, use sand, earth, or inert materials to contain and control it.
- Report as per regulatory requirements.

SECTION 7. HANDLING AND STORAGE

HANDLING

- Ensure the availability of suitable protective and ventilation equipment.
- Minimize skin and eye exposure, and prevent inhalation of vapors. Do not stay in contact for an extended period.

STORAGE

- Store in a cool (air-condition room temperature) & dry place away from excessive heat, sunlight, and humidity. Ensure that the storage and usage area is strictly designated as a non-smoking zone.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS:

No.	Components	Standards*	Reference
1	Bisphenol-A epoxy resin	Not Established	OSHA, ACGIH
2	Anhydride hardener	Not Established	OSHA, ACGIH

VENTILATION:

Use general or local exhaust ventilation to meet exposure limit requirements.

PERSONAL PROTECTION:

- Respiratory Protection: Organic vapor canister or canister respiratory protector should be used when necessary.
- Eye/Skin Protection: Chemical safety splash goggles, eyewash equipment, and gloves (general rubber or lined) are recommended. Do not wear contact lenses.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light purple viscous liquid (Part A) Colorless transparent liquid (Part B)
Odor	Not Applicable
pH	Not Applicable
Initial Boiling Point/Boiling Ranges	Not applicable
Flash Point	>140°C
Specific Gravity	1.10–1.20 (Part A)/ 1.00–1.10 (Part B)
Vapour Pressure (mmHg at 25 °C)	Not applicable
Solubility	Not applicable
Vapour Density (Air = 1)	Not applicable
Evaporation Rate (Butyl Acetate = 1)	Not applicable

SECTION 10. STABILITY & REACTIVITY

Chemical Stability: Stable under ordinary conditions of use and storage.

Conditions To Avoid: Not applicable.

Decomposition Products: None.

Hazardous Polymerization: No hazard at room temperature.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity Data: Estimated oral exposure limit LD₅₀(oral) >5000 mg/kg.

Carcinogenicity: No information found

Reproductive Effect: No information found

Chronic Effects: No information found

Target Organs: No information found

Eye Contact: May cause mild eye irritation.

Ingestion: May be hazardous to the digestive system, cause vomiting and loss of appetite.

Inhalation: May cause respiratory tract irritation, vomiting, and loss of appetite.

Skin Contact: May cause mild skin inflammation.

SECTION 12. ECOLOGICAL INFORMATION

Mobility: No Information found

Bioaccumulation: No information found

Biodegradability: No information found

Aquatic Toxicity: No information found

Environmental Toxicity: No information found

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of waste needs to be carried out at the city, state, or federally permitted disposal facility. Handle in accordance with applicable regulations and/or local authorities.

SECTION 14. TRANSPORT INFORMATION

Land transport ADR/RID (Cross-border)

ADR, RID Class: Not applicable

Maritime transport IMDG

IMDG Class: Not applicable

Air transport ICAO-TI and IATA-DGR

ICAO/IATA Class: Not applicable

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized safety officer. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15. REGULATORY INFORMATION

No information available

SECTION 16. OTHER INFORMATION

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