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SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name OPTOLINQ™ OLS-1000LV Part A
Applications: Liquid epoxy resin
Advised Against No further relevant information available
Supplier Name Caplinq Europe BV

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SECTION 2. HAZARDS IDENTIFICATION

HAZARD CLASS

Skin sensitization
 Skin corrosion or irritation
 Serious eye damage/eye irritation
 Hazardous to the aquatic environment, long-term hazard

HAZARD CATEGORY

Category 1
 Category 2
 Category 2A
 Category 2

HAZARD PICTOGRAM



SIGNAL WORD

Warning

HAZARD STATEMENTS

H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H319 Causes serious eye irritation
 H411 Toxic to aquatic life with long lasting effects

PREVENTION PRECAUTIONARY STATEMENTS

P261 Avoid inhaling dust, fumes, gasses, mists, vapors, or sprays.
 P264 Wash skin thoroughly after handling
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

RESPONSE PRECAUTIONARY STATEMENTS

P362 Take off contaminated clothing.
 P363 Wash contaminated clothing before reuse.
 P391 Collect spillage.
 P332+P313 If skin irritation occurs, seek medical attention.
 P333+P313 If skin irritation or rash occurs, seek medical attention.
 P337+P313 If eye irritation persists, seek medical attention.

P305+P351+P338

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

P302+P352

If on skin, wash with plenty of water.

DISPOSAL PRECAUTIONARY STATEMENTS

P501

Dispose of contents or container to approved waste disposal.

SECTION 3. INGREDIENT COMPOSITION

No.	Components	CAS Reg. No.	Proportion (%)
1	Bisphenol-A epoxy resin	25068-38-6	85–99
2	Additive	51852-81-4	0.09–1
3	Colorant	191047-16-1	0.01–4

SECTION 4. FIRST AID MEASURES

EYE CONTACT

- Rinse the contaminated eye with water for 20 minutes or until the contamination is completely removed. Ensure that water does not enter unaffected eyes during the rinsing process.
- Seek immediate medical attention.

SKIN CONTACT

- Rinse the affected area gently with warm water for 5 minutes or until the contamination is completely removed.

INHALATION

- Move victim to fresh air.
- If the victim experiences any discomfort, seek immediate medical attention.

INGESTION:

- If swallowed, seek immediate medical help and follow the doctor's advice on whether to induce vomiting.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- Chemical dry powder, fire sand, carbon dioxide, or foam fire extinguisher.

COMBUSTION PRODUCTS

Carbon dioxide, carbon monoxide, and other toxic gasses

PARTICULAR HAZARDS

Contact with amine substances can initiate polymerization reactions, which generate heat and cause temperature increase.

FIRE EXTINGUISHING PRECAUTIONS

Evacuate and isolate the fire area. Unauthorized personnel must not enter the site. Wear specialized protective gear during fire rescue operations. Transfer the product to a secure location. Maintain a safe distance when extinguishing fire. Using water mist may not effectively extinguish the fire. After extinguishing the fire and confirming no risk of reignition, use water spray to cool both the fire scene and the product container.

FIRE FIGHTING PROTECTIVE EQUIPMENT

Firefighters should wear firefighting attire, protective gloves, safety goggles, protective footwear, and self-contained respiratory gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

LEAK/SPILL

- In case of a leakage, avoid contamination of waterways, drinking water sources, surface water, and soil.
- Contain any leaked chemicals. For small spills, use sand to isolate and surround them. Absorb and dispose of with sand, cloth, or other absorbent materials. Use labeled cleanup methods and disposal materials for collection. For large spills, contact the fire brigade, emergency response units, and suppliers for assistance.
- 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 away from direct sunlight, heat, power sources, fire, and other heat-emitting devices. Keep in a dry, cool, well-ventilated area, and ensure the container remains tightly sealed.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS

No.	Components	Standards*	Reference
1	Bisphenol-A epoxy resin	Not Established	OSHA ¹ , ACGIH ²
2	Additive	Not Established	OSHA, ACGIH
3	Colorant	Not Established	OSHA, ACGIH

¹Occupational Safety and Health Administration (OSHA) 8-hour total weight average (TWA) permissible exposure limit (PEL)

²American Conference of Governmental Industrial Hygienists (ACGIH) 8-hour total weight average (TWA) threshold limit value (TLV)

PERSONAL PROTECTION

- Respiratory Protection: No special protection needed.
- Eye/Skin Protection: Chemical safety splash goggles, eyewash equipment, and protective, impermeable gloves (general rubber or lined) are recommended. Wear protective clothing and closed shoes when handling the product. Ensure access to eye wash stations and emergency showers.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light purple liquid
Odor	Not Applicable
pH	Not Applicable
Boiling Point	Not Available
Flash Point	Not Available
Vapor Pressure at 20 °C	Not Applicable
Vapor Density	Not Available
Evaporation Rate	Not Available
Solubility	Not soluble in water

SECTION 10. STABILITY & REACTIVITY

Chemical Stability and Reactivity	Stable and non-reactive under ordinary conditions of use and storage.
Materials and Conditions to Avoid	None under recommended storage and handling conditions (see Section 7)
Hazardous Polymerization	Product does not react spontaneously. However, when it contacts amines, it triggers a polymerization reaction, generating significant heat and causing a rise in temperature.
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON HAZARD CLASSES AS DEFINED (EC) No 1272/2008

CAS NO:	Value Type	Value	Route of Exposure
25068-38-6	LD50	>5000 mg/kg (Rat)	Oral
	LC50	> 1.75 mg/l/96h (Fish)	Inhalation

Acute Toxicity (Oral)	Not classified, based on available data
Acute Toxicity (Dermal)	Not classified, based on available data
Acute Toxicity (Inhalation)	Not classified, based on available data
Skin corrosion/irritation	May cause skin irritation
Serious eye damage/irritation	May cause eye irritation
Respiratory or skin sensitisation	Not classified, based on available data
Germ cell mutagenicity	Not classified, based on available data
Carcinogenicity	Not classified, based on available data
Reproductive Toxicity	Not classified, based on available data
Specific Target Organ Toxicity (Single and Repeated Exposure)	Not classified, based on available data
Aspiration hazard	Not classified, based on available data

INFORMATION ON OTHER HAZARDS

Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties	The product is not included in the list established in accordance with Article 57(f) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Potential adverse human health effects and symptoms	No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecological Toxicity	Prevent from spreading or entering into drains,surface water, groundwater and rivers
Hazardous to the aquatic environment, short term (acute)	Not classified
Hazardous to the aquatic environment, long-term (chronic)	Not classified
Mobility in soil	No information found
Bioaccumulation	No significant bioaccumulation potential
Persistence and biodegradability	Epoxy resins are not easily biodegradable but can degrade over time under appropriate environmental conditions.
PBT and vPvB assessment	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

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. Do not pour into sewers or surface water, and avoid random disposal. Dispose of all containers or absorbents containing resin as hazardous waste.

SECTION 14. TRANSPORT INFORMATION

UN NUMBER OR ID NUMBER ADR/RID/ADN, IMDG, IATA	UN3082
PROPER SHIPPING NAME ADR/RID/ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A Epoxy Resin)
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A Epoxy Resin)
IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A Epoxy Resin)
TRANSPORT HAZARD CLASS	
Hazard Class	9 Miscellaneous Dangerous Goods and Articles
Label	9
PACKING GROUP ADR/RID/ADN, IMDG, IATA	III
ENVIRONMENTAL HAZARDS	
Marine pollutant	Yes
Special marking (ADR/RID/ADN)	Not applicable
Special marking (IATA)	Not applicable
SPECIAL PRECAUTIONS FOR USER	Not applicable
Hazard identification number (Kemler code)	Not applicable
EMS Number	Not applicable
Stowage Category	Not applicable
MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS	Not applicable

Transport/Additional information

ADR/RID/ADN

Limited quantities (LQ)	Not applicable
Excepted quantities (EQ)	Not applicable
Transport category	Not applicable
Tunnel restriction code	Not applicable
UN "Model Regulation"	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A Epoxy Resin), 9, III

TRANSPORTATION PRECAUTIONS

- Ensure the container is leak-proof.
- During transport, prevent falling, tipping, collisions, and exposure to direct sunlight.
- Pack and transport in a sealed container.
- Transportation must adhere to applicable national and international regulations.

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

Safety, health and environmental regulations/legislation specific for the substance or mixture**Directive 2012/18/EU**

Named dangerous substances - ANNEX I None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII No restrictions

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

Substance is not listed.

Regulations on the Safety Management of Hazardous Chemicals

Catalog of hazardous chemicals: Not included.

SECTION 16. OTHER INFORMATION

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