

Printing date: 05.04.2024

Version No: 01

Revision: 04.04.2024

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name OPTOLINQ™ LE-2161 Part B
Applications Curing agent
Advised Against No further relevant information available
Supplier Name Caplinq Europe BV

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SECTION 2. HAZARDS IDENTIFICATION**GHS HAZARD CATEGORY**

Acute Toxicity (Oral) Category 5
Toxicity (Dermal) Category 5
Corrosion or irritation Category 1
Eye damage or irritation Category 1

HAZARD PICTOGRAM**SIGNAL WORD**

Danger

HAZARD STATEMENTS

H303+H313 May be harmful if swallowed or in contact with skin
H314 Causes severe skin burns and eye damage
H412 Harmful to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS

P264 Wash skin thoroughly after handling
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

RESPONSE PRECAUTIONARY STATEMENTS

P301+P330+P331 If swallowed, rinse mouth. Do not induce vomiting.
P303+P361+P353 If on skin (or hair), take off immediately all contaminated clothing. Rinse skin with water (or shower).
P304+P340+P317 If inhaled, move the person to fresh air and maintain a comfortable position for breathing. Seek out medical attention.
P305+P351+P338+P310 If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P363 Wash contaminated clothing before reuse.

DISPOSAL

P501

Dispose of contents or container to approved waste disposal.

SECTION 3. INGREDIENT COMPOSITION

No.	Components	CAS Reg. No.	Proportion (%)
1	Polyetheramine curing agent	9046-10-0	90–99
2	Catalyst	90-72-2	1–10

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 leaked chemicals by using acid neutralization methods and absorbent materials such as sand, silica gel, acid binders, general binders, or sawdust disposal powder. Dispose of the contaminated materials by placing them in a suitable sealed container.
- 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	Polyetheramine curing agent	Not Established	OSHA ¹ , ACGIH ²
2	Catalyst	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	Colorless transparent liquid
Odor	Not Applicable
pH	Not Applicable
Boiling Point	232 °C
Flash Point	128 °C
Vapor Pressure at 20 °C	0.9 hPa
Vapor Density	1

SECTION 10. STABILITY & REACTIVITY

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

Conditions to Avoid: Prolonged exposure to heat.

Incompatible Materials: Acids, alkalis, amines.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and aromatic compounds.

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.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Estimate: 3070 mg/kg.

Eye Contact: May cause eye irritation.

Skin Contact: May cause skin irritation.

SECTION 12. ECOLOGICAL INFORMATION

Environmental Toxicity: May cause long-term adverse effects to aquatic environments.

Biodegradability: Epoxy resins are not easily biodegradable but can degrade over time under appropriate environmental conditions.

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

Following guidelines from the United Nations Model Recommendations on the Transport of Dangerous Goods (TDG) and the International Maritime Dangerous Goods Code:

UN Hazard Classification	Category 8
Packaging Category	Category 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

Regulations on the Safety Management of Hazardous Chemicals

The product is classified as "hazardous chemicals" according to GHS standards.

SECTION 16. OTHER INFORMATION

The information in this safety data sheet was obtained from reputable sources and to the best of our knowledge is accurate and current at the mentioned date. Neither CAPLINQ Corporation, nor CAPLINQ Europe BV accept any liability arising out of the use of the information provided here or the use, application or processing of the product described herein.

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