

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name	OPTOLINQ™ OLS-5812 (Part B)
Applications:	Optically clear silicone resin for LED encapsulation
Advised Against	No further relevant information available
Supplier Name	Capling Europe BV

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SECTION 2. HAZARDS IDENTIFICATION

PROPOSED CLASSIFICATION

Acute aquatic toxicity Category 1
Chronic aquatic toxicity Category 1

HAZARD PICTOGRAMS:



SIGNAL WORDS:

Warning

HAZARD STATEMENTS

H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS

P262 Do not get in eyes, on skin, or on clothing.
P305 + P351 If in eyes, rinse cautiously with water for several minutes.
P302 + P352 If on skin, wash with plenty of soap and water.
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/regional/national/international

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause temporary redness and discomfort.
Ingestion: Low ingestion hazard.
Inhalation: No expected significant effects from a single short-term exposure.
Skin Contact: No expected significant effects from a single short-term exposure.

SECTION 3. INGREDIENT COMPOSITION

No.	Components	CAS Reg. No.	Proportion (%)
1	Vinyl terminated poly-phenyl methyl siloxane	225927-21-9	70–89.5
2	Phenyl hydrogen polysiloxane	68952-30-7	10–30
3	1-Ethynyl-1-cyclohexanol	78-27-3	0–0.50

SECTION 4. FIRST AID MEASURES

EYE CONTACT:

- Immediately flush with plenty of water.

SKIN CONTACT:

- Immediately flush with plenty of water and soap.

INHALATION:

- No first aid should be necessary.

INGESTION:

- Get medical attention immediately.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- Dry powder, carbon dioxide, foam extinguisher, or dry sand.

FIRE FIGHTING PROCEDURE

- For large fires, use dry chemical, foam, or water spray. For small fires, use carbon dioxide, dry chemical, or water spray. Water can be used to cool fire exposed containers. Self-contained breathing apparatus and protective clothing should be worn in extinguishing large fires involving chemicals.
- Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

DECOMPOSITION PRODUCTS

Carbon oxides, silicon dioxide.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

- Avoid contact with the eyes. Do not take it internally.

ENVIRONMENTAL PRECAUTIONS

- Prevent from spreading or entering into drains, ditches, or rivers by using sand, earth, or other appropriate barriers.

LEAKAGE OR SPILL

- If spilled material can be pumped and can be safely recovered, store it in an appropriate container. Use a suitable absorbent to clean up the remaining spillage, as even small quantities can create a slip hazard.

Consider a final cleaning using methods such as steam, solvents, or detergents if needed. Dispose of saturated absorbents or cleaning materials properly to prevent potential spontaneous heating.

SECTION 7. HANDLING AND STORAGE

HANDLING

- Use with adequate ventilation. Avoid contact with the eyes. Exercise good industrial hygiene practice. Wash hands thoroughly after handling, especially before eating, drinking, or smoking.

STORAGE

- Store away from oxidizing materials.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS:

No.	Components	Standards*	Reference
1	Vinyl terminated poly-phenyl methyl siloxane	Not Established	OSHA/ACGIH
2	Phenyl hydrogen polysiloxane	Not Established	OSHA/ACGIH
3	1-Ethynyl-1-cyclohexanol	Not Established	OSHA/ACGIH

VENTILATION:

Use general exhaust ventilation.

PERSONAL PROTECTION:

- Respiratory Protection: No respiratory protection is necessary.
- Eye Protection: Use appropriate eye protective gear, with safety glasses as the minimum requirement.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless liquid
Odor	Light
pH	7
Initial Boiling Point/Boiling Ranges	>200 °C
Flash Point	>100 °C
Specific Gravity	1.10
Vapour Pressure (mmHg at 25 °C)	Not Determined
Explosive Limit	Not Determined
Auto-ignition Temperature	Not Determined
Water Solubility	Not Determined

SECTION 10. STABILITY & REACTIVITY

Chemical Stability: Stable under ordinary conditions of use and storage. May release small amounts of hydrogen.
Materials and Conditions To Avoid: Not applicable.
Hazardous Polymerization: No hazard at room temperature.
Hazardous Decomposition Products: Carbon dioxide, along with residual carbon from incomplete combustion and traces of silicon dioxide and formaldehyde.

SECTION 11. TOXICOLOGICAL INFORMATION

Carcinogenicity: No information found.
Reproductive Effect: No information found.
Chronic Effects: No information found.
Target Organs: No information found.
Eye Contact: May cause temporary redness and discomfort.
Ingestion: Low ingestion hazard.
Inhalation: No expected significant effects from a single short-term exposure.
Skin Contact: No expected significant effects from a single short-term exposure.

SECTION 12. ECOLOGICAL INFORMATION

Mobility: No information found.
Bioaccumulation: No bioaccumulation potential.
Persistence and biodegradability: Siloxanes can undergo decomposition in the soil.
Aquatic Toxicity: No adverse effects on aquatic life.
Effect in Wastewater Treatment Plants: No adverse effects on bacteria.

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 subject to IMDG classification.
Air transport ICAO-TI and IATA-DGR ICAO/IATA Class:	Not subject to IATA 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

No information available

SECTION 16. OTHER INFORMATION

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