

Printing date: 05.10.2023

Version No: 01

Revision: 04.10.2023

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name	OPTOLINQ™ OLS-3712 (Part B)
Applications:	Optically clear silicone resin for LED encapsulation
Advised Against	No further relevant information available
Supplier Name	Caplinq Europe BV

CAPLINQ Europe BV
Industrieweg 15E
1566 JN Assendelft
The Netherlands
+31 20 893 2224

CAPLINQ Corporation
80 Sirocco Crescent
Ottawa, ON K2S 2C9
Canada
+1 (613) 416 8426

CAPLINQ Americas
36972 Schoolcraft Rd
Livonia, MI 48150
United States of America
+1 (618) 416 9739

CAPLINQ Malaysia
S-08-07 Setia Triangle
Penang, BL 11900
Malaysia
+60 (15) 460 00453

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	62–77
2	Phenyl hydrogen polysiloxane	68952-30-7	23–38
3	1-Ethynyl-1-cyclohexanol	78-27-3	0–0.50

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:

- 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

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.

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgments of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.