

Printing date: 05.10.2023

Version No: 01

Revision: 04.10.2023

## SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Trade Name</b>	OPTOLINQ™ OLS-5812 (Part A)
<b>Applications:</b>	Optically clear silicone resin for LED encapsulation
<b>Advised Against</b>	No further relevant information available
<b>Supplier Name</b>	Caplinq 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.

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**SECTION 3. INGREDIENT COMPOSITION**

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No.	Components	CAS Reg. No.	Proportion (%)
1	Vinyl terminated poly-phenyl methyl siloxane	225927-21-9	99–100
2	Platinum(0)- 1,3-divinyl- 1, 1,3,3-tetramethyldisiloxane	68478-92-2	0–1

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**SECTION 4. FIRST AID MEASURES**

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**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.

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**SECTION 5. FIRE FIGHTING MEASURES**

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**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.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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**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.

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**SECTION 7. HANDLING AND STORAGE**

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**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.

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**SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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**EXPOSURE LIMITS:**

No.	Components	Standards*	Reference
1	Vinyl terminated poly-phenyl methyl siloxane	Not Established	OSHA/ACGIH
2	Platinum(0)- 1,3-divinyl- 1, 1,3,3-tetramethyldisiloxane	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.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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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

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**SECTION 10. STABILITY & REACTIVITY**

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

**Materials and Conditions To Avoid:** Not applicable.

**Hazardous Polymerization:** No hazard at room temperature.

**Hazardous Decomposition Products:** Carbon dioxide and traces of incompletely burned carbon compounds, silicon dioxide, formaldehyde.

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**SECTION 11. TOXICOLOGICAL INFORMATION**

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**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.

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**SECTION 12. ECOLOGICAL INFORMATION**

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**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.

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**SECTION 13. DISPOSAL CONSIDERATIONS**

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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.

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**SECTION 14. TRANSPORT INFORMATION**

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**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.*

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**SECTION 15. REGULATORY INFORMATION**

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No information available

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**SECTION 16. OTHER INFORMATION**

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