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SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name OPTOLINQ™ BMC-1100
Applications: Black epoxy molding compound for the encapsulation of optoelectronic devices
Advised Against No further relevant information available
Supplier Name Caplinq Europe BV

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SECTION 2. HAZARDS IDENTIFICATION

PROPOSED CLASSIFICATION: Not hazardous.

HAZARD PICTOGRAMS:



HAZARD STATEMENTS

P315/320 Irritate to eyes and skin

PRECAUTIONARY STATEMENTS

P338 Remove contact lenses if present and easy to do. Continue rinsing.

P351 Rinse cautiously with water for several minutes.

P352 Wash with plenty of soap and water.

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	Epoxy resin	2451-62-9	22–33
2	Carbon black	1333-86-4	0.1–1
3	Silicon dioxide	7631-86-9	67–78

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.

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	Epoxy resin	0.05 mg/m ³	ACGIH
2	Carbon black	3 mg/m ³	ACGIH
3	Silicon dioxide filler	50 µg/m ³ / 25 µg/m ³	OSHA/ACGIH

VENTILATION:

Use general exhaust ventilation to meet exposure limit requirements.

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	Solid black pellets
Odor	Not Applicable
pH	Not Applicable
Initial Boiling Point/Boiling Ranges	Not Applicable
Flash Point	Not Determined
Specific Gravity	1.9
Vapour Pressure (mmHg at 25 °C)	Not Applicable
Explosive Limit	Not Determined

SECTION 10. STABILITY & REACTIVITY

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, along with residual carbon from incomplete combustion and traces of phenolic compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

Carcinogenicity: No information found

Reproductive Effect: No information found

Chronic Effects: No information found

Target Organs: No information found

SECTION 12. ECOLOGICAL INFORMATION

Mobility: No information found

Bioaccumulation: No bioaccumulation potential.

Persistence and biodegradability: It can undergo decomposition in the soil.

Aquatic Toxicity: No adverse effects on aquatic life.

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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