

**SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Trade Name** OPTOLINQ™ BMC-4200  
**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**

**GHS HAZARD CATEGORY**

**HAZARD CLASS**

Skin Sensitization  
 Skin corrosion or irritation  
 Hazardous to the aquatic environment, long-term hazard  
 Serious eye damage/eye irritation

**HAZARD CATEGORY**

Category 1, 1A, 1B  
 Category 2  
 Category 2  
 Category 2A

**HAZARD PICTOGRAMS:**



**SIGNAL WORD**

Warning

**HAZARD STATEMENTS**

H315 Causes skin irritation  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation  
 H411 Toxic to aquatic life with long lasting effects.

**PREVENTION PRECAUTIONARY STATEMENTS**

P203 Obtain, read and follow all safety instructions before use.  
 P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P264 Wash skin thoroughly after handling  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 P264+P265 Wash hands thoroughly after handling. Do not touch eyes

**RESPONSE PRECAUTIONARY STATEMENTS**

P318	If exposed or concerned, get medical advice.
P321	See specific treatment on the label.
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P352	Wash with plenty of soap and water.
P391	Collect spillage
P301+P316	If swallowed, get emergency medical help immediately.
P302+P352	If on skin, wash with plenty of water.
P332+P317	If skin irritation occurs: Get medical help.
P337+P317	If eye irritation persists: Get medical help.
P362+P364	Take off immediately all contaminated clothing and wash it before reuse.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing

**DISPOSAL PRECAUTIONARY STATEMENTS**

P501	Dispose of contents or container to approved waste disposal.
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**SECTION 3. INGREDIENT COMPOSITION**

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No.	Components	CAS Reg. No.	Proportion (%)
1	Semi-crosslinked epoxy resin	25085-99-8	99
2	Carbon black	1333-86-4	1

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**SECTION 4. FIRST AID MEASURES**

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**EYE CONTACT:**

- Remove contact lenses if worn. Rinse opened eyes for several minutes under running water. If symptoms persist, consult a doctor

**SKIN CONTACT:**

- Do not pull solidified compound off the skin.
- Immediately wash with water and soap and rinse thoroughly.
- If skin irritation continues, consult a doctor.

**INHALATION:**

- Supply fresh air; consult a doctor in case of complaints.

**INGESTION:**

- Rinse out your mouth and then drink plenty of water.
- Do not induce vomiting; call for medical help 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 chemicals, 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.

- Assess the situation based on your local emergency plan to determine if evacuation or area isolation is necessary. For containers exposed to flames but not yet ignited, use a water spray to keep them cool and prevent further escalation.

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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. Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away.
- Ensure adequate ventilation

### ENVIRONMENTAL PRECAUTIONS

- Prevent from spreading or entering into drains, ditches, or rivers by using sand, earth, or other appropriate barriers. Inform respective authorities in case of seepage into the water course or sewage system.

### 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. Do not ingest. Exercise good industrial hygiene practice. Wash hands thoroughly after handling, especially before eating, drinking, or smoking.

### STORAGE

- Exercise caution. Store away from foodstuffs. Store away from oxidizing materials, near extreme heat, ignition sources or open flame.
- Store in cool, dry conditions in well sealed receptacles

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## SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### VENTILATION:

Use general exhaust ventilation.

### PERSONAL PROTECTION:

- Respiratory Protection: Not required under normal conditions of use. Use proper respiratory protective equipment in case of insufficient ventilation and or when aerosol or mist is formed.
- Eye Protection: Use appropriate eye protective gear, with safety glasses as the minimum requirement.
- Skin protection: Observe proper washing before and after mealtime and at the end of shift.
- Body protection: Wear suitable protective work clothing.
- Hand Protection: Avoid skin-contact. Wear refractive gloves while working with the product.
- Hygiene Measures: Adopt appropriate procedures for industrial hygiene. Particularly before eating, drinking, or smoking, wash after handling.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance**

Solid black pellets

**Odor**

Not Applicable

pH	Not Applicable
Initial Boiling Point/Boiling Ranges	Not Applicable
Flash Point	Not Determined
Specific Gravity	1.25
	Not Applicable
Vapour Pressure (mmHg at 25 °C)	
Explosive Limit	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:** Store away from oxidizing agents.

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

**Hazardous Decomposition Products:** Carbon dioxide, along with residual carbon from incomplete combustion and traces of phenolic compounds.

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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.

**Inhalation:** Toxic if inhaled.

**Skin Contact:** May cause an allergic skin reaction

**Eye Contact:** May cause temporary redness and discomfort.

**Ingestion:** Toxic if swallowed. May cause irritation to digestive tract.

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## SECTION 12. ECOLOGICAL INFORMATION

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**Mobility:** No information found

**Bioaccumulation:** No bioaccumulation potential.

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

**Aquatic Toxicity:** Harmful to aquatic organisms with long lasting effect

**Effect in Wastewater Treatment Plants:** No information found

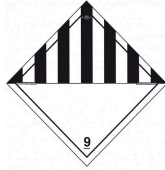

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## SECTION 13. DISPOSAL CONSIDERATIONS

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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.

**SECTION 14. TRANSPORT INFORMATION**

<b>14.1 UN Number or ID Number</b> ADR/RID/ADN, IMDG, IATA	UN3077
<b>14.1 Proper Shipping Name</b> ADR/RID/ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Diglycidyl Bisphenol A Resin)
<b>IMDG</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Diglycidyl Bisphenol A Resin)
<b>IATA</b>	Environmentally hazardous substance, solid, n.o.s (Diglycidyl Bisphenol A Resin)
<b>14.1 Transport Hazard Class</b> ADR/RID/ADN, IMDG, IATA	 
<b>Hazard Class</b>	9 Miscellaneous dangerous substances and articles
<b>Label</b>	9
<b>14.4 Packing Group</b> ADR/RID/ADN, IMDG, IATA	III
<b>14.5 Environmental hazards</b>	
<b>Hazard</b>	Product contains environmentally hazardous substances
<b>Marine pollutant</b>	Symbol (fish and tree)
<b>Special marking (ADR/RID/ADN)</b>	Symbol (fish and tree)
<b>Special marking (IATA)</b>	Symbol (fish and tree)
<b>14.6 Special precautions for user</b>	Warning: Miscellaneous dangerous substances and articles.
<b>Hazard identification number (Kemler code)</b>	90
<b>EMS Number</b>	F-A, S-F
<b>Stowage Category</b>	A
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable
<b>Transport/Additional information</b>	
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<b>ADR/RID/ADN</b>	
<b>Limited quantities (LQ)</b>	5 kg
<b>Excepted quantities (EQ)</b>	E1
<b>Transport category</b>	3
<b>Tunnel restriction code</b>	(-)
<b>UN "Model Regulation"</b>	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diglycidyl Bisphenol A Resin), 9, III

*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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