

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name OPTOLINQ™ TMC-2100
Applications: Optically clear epoxy molding compound for the encapsulation of optoelectronic devices
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

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

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

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.

SECTION 3. INGREDIENT COMPOSITION

| No. | Components | CAS Reg. No. | Proportion (%) |
|-----|------------------------------|--------------|----------------|
| 1 | Semi-crosslinked epoxy resin | 25085-99-8 | 100 |

SECTION 4. FIRST AID MEASURES

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

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 whether your local emergency plan requires you to evacuate or isolate the area. To keep fire-exposed containers cool, use water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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.

SECTION 7. HANDLING AND STORAGE

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

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---------------------|
| Appearance | Solid white pellets |
| Odor | Not Applicable |
| pH | Not Applicable |
| Initial Boiling Point/Boiling Ranges | Not Applicable |
| Flash Point | Not Determined |
| Specific Gravity | 1.25 |

| | |
|---------------------------------|----------------|
| 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: 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.

SECTION 11. TOXICOLOGICAL INFORMATION

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.

SECTION 12. ECOLOGICAL INFORMATION

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

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

14.1 UN Number or ID Number

ADR/RID/ADN, IMDG, IATA UN3077

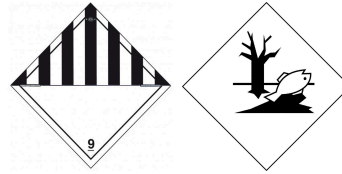
14.1 Proper Shipping Name

ADR/RID/ADN ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Diglycidyl Bisphenol A Resin)

IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Diglycidyl Bisphenol A Resin)

IATA Environmentally hazardous substance, solid, n.o.s (Diglycidyl Bisphenol A Resin)

14.1 Transport Hazard Class
ADR/RID/ADN, IMDG, IATA



Hazard Class 9 Miscellaneous dangerous substances and articles
Label 9

14.4 Packing Group
ADR/RID/ADN, IMDG, IATA III

14.5 Environmental hazards
Hazard Product contains environmentally hazardous substances
Marine pollutant Symbol (fish and tree)
Special marking (ADR/RID/ADN) Symbol (fish and tree)
Special marking (IATA) Symbol (fish and tree)

14.6 Special precautions for user Warning: Miscellaneous dangerous substances and articles.

Hazard identification number (Kemler code) 90
EMS Number F-A, S-F
Stowage Category A

14.7 Maritime transport in bulk according to IMO instruments Not applicable

Transport/Additional information

ADR/RID/ADN
Limited quantities (LQ) 5 kg
Excepted quantities (EQ) E1
Transport category 3
Tunnel restriction code (-)
UN "Model Regulation" 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.

SECTION 15. REGULATORY INFORMATION

No information available

SECTION 16. OTHER INFORMATION

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