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SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name	OPTOLINQ™ TMC-3282SF
Applications:	Optically clear epoxy molding compound for the encapsulation of optoelectronic devices for outdoor and automotive application
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 CLASSIFICATION

HAZARD CLASS

Serious eye damage/eye irritation
Germ cell mutagenicity
Sensitization, Skin
Eye damage or irritation
Skin corrosion or irritation
Specific target organ toxicity, repeated exposure
Acute inhalation toxicity
Hazardous to the aquatic environment, long-term hazard
Acute oral toxicity

HAZARD CATEGORY

Category 1
Category 1, 1A, 1B
Category 1, 1A, 1B
Category 2B
Category 2
Category 2
Category 3
Category 3
Category 3

HAZARD PICTOGRAMS:



SIGNAL WORD

Danger

HAZARD STATEMENTS

H301	Toxic if swallowed
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled
H340	May cause genetic defects
H373	May cause damage to organs
H412	Harmful to aquatic life with long lasting effects.

PREVENTION PRECAUTIONARY STATEMENTS

P203	Obtain, read and follow all safety instructions before use.
P260	Do not breathe vapors
P261	Avoid breathing vapors

P264	Wash skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
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 your eyes.

RESPONSE PRECAUTIONARY STATEMENTS

P319	Get medical help if you feel unwell.
P318	If exposed or concerned, get medical advice.
P352	Wash with plenty of soap and water.
P301+P316	If swallowed, get emergency medical help immediately.
P301+P321	If swallowed, see specific treatment on the label
P301+P330	If swallowed, rinse your mouth.
P302+P352	If on skin, wash with plenty of water.
P304+ P316	If inhaled: get emergency medical help immediately.
P304+ P321	If inhaled: see specific treatment on the label
P304+P340	If inhaled: remove the person to fresh air and keep comfortable for breathing.
P305+P317	If in eyes: Get emergency medical help.
P305+P354+P338	If in eyes: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P333+P317	If skin irritation or rash occurs: Get medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.

STORAGE PRECAUTIONARY STATEMENTS

P403+P233	Store in a well-ventilated place. Keep the container tightly closed.
P405	Store locked up.

DISPOSAL PRECAUTIONARY STATEMENTS

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

No.	Components	CAS Reg. No.	Proportion (%)
1	Semi-crosslinked epoxy resin	2451-62-9	100

SECTION 4. FIRST AID MEASURES

EYE CONTACT:

- Remove contact lenses if present and easy to do. Immediately rinse with water for several minutes.. Continue rinsing. Get emergency medical help.

SKIN CONTACT:

- In case of contact, Immediately remove contaminated clothing and wash with water and soap and rinse thoroughly.

INHALATION:

- Remove the person to fresh air and keep comfortable for breathing. see specific treatment on the label and get emergency medical help immediately.

INGESTION:

- Do not induce vomiting. Do not drink but rinse your mouth and seek emergency 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. Containers exposed to flames can be extinguished with water. 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.

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. Dispose contaminated material as waste according to section 13.

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 oxidizing materials.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

VENTILATION:

Use general exhaust ventilation.

PERSONAL PROTECTION:

- Respiratory Protection: No respiratory protection is necessary. In case of intensive or longer exposure use self-contained respiratory protective devices.
- Eye Protection: Use appropriate eye protective gear, with tightly fitted 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 clothing. Protective clothing that covers arms and legs.
- 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. Store protective clothing separately.

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	1.28
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.

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 the 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

Must not be disposed of together with other waste. Do not allow product waste to reach the sewage system. Disposal of waste needs to be carried out with the city, state, or federally permitted disposal facility. Handle in accordance with applicable regulations and/or local authorities.

SECTION 14. TRANSPORT INFORMATION

UN Number or ID Number

ADR/RID/ADN, IMDG, IATA

UN2811

Proper Shipping Name

ADR/RID/ADN

TOXIC SOLID, ORGANIC, N.O.S. (Triglycidyl Isocyanurate Resin)

IMDG
IATA

TOXIC SOLID, ORGANIC, N.O.S. (Triglycidyl Isocyanurate Resin)
Toxic solid, organic, n.o.s. (Triglycidyl Isocyanurate Resin)

Transport Hazard Class

ADR/RID/ADN, IMDG, IATA



Hazard Class

6.1 Toxic Material

Label

6.1

Packing Group

ADR/RID/ADN, IMDG, IATA

III

Environmental hazards

Hazard

Product contains toxic material

Marine pollutant

Not applicable

Special marking (ADR/RID/ADN)

Not applicable

Special marking (IATA)

Not applicable

Special precautions for user

Danger: Toxic Material

Hazard identification number
(Kemler code)

60

EMS Number

F-A, S-A

Stowage Category

A

Maritime transport in bulk according to IMO instruments

Not applicable

Additional Information

ADR/RID/ADN

Limited quantities (LQ)

5 kg

Excepted quantities (EQ)

E1

Transport category

2

Tunnel restriction code

(E)

UN Model Regulation

UN 2811 TOXIC SOLID, ORGANIC, N.O.S. (Triglycidyl Isocyanurate Resin), 6.1, 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

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.

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