

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name OPTOLINQ™ PM-1212 Part A
Applications: Clear silicone encapsulant
Advised Against No further relevant information is 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**CLASSIFICATION OF THE SUBSTANCE/MIXTURE****Classification according to Regulation (EC) No 1272/2008**

The substance is not classified, according to the CLP regulation.

LABEL ELEMENTS**Labeling according to Regulation (EC) No 1272/2008**

Void

Hazard Pictogram

Void

Signal Word

Void

Hazard Statements

Void

Prevention Precautionary Statements

P262 Do not get in eyes, on skin, or on clothing.

Response Precautionary Statements

P305+P351+P338 If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352 If on skin, wash with plenty of water.

SECTION 3. INGREDIENT COMPOSITION

No.	Components	CAS No.	Proportion (%)
1	MQ Resin	68988-89-6	50~85
2	Vinyl terminated polydimethylsiloxane	68083-19-2	5~20
3	Polymethylhydrosiloxane	63148-57-2	5~15
4	1-Ethynyl-1-cyclohexanol	78-27-3	<0.2

SECTION 4. FIRST AID MEASURES

DESCRIPTION OF FIRST-AID MEASURES

General advice	First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.
If inhaled	Move the patient to fresh air. Immediately call a physician if breathing stops or if the patient is experiencing any discomfort In case of skin contact, immediately take off all contaminated clothing. Rinse the affected skin with water until the contaminant is removed. Consult a physician.
In case of eye contact	After eye contact, hold the eyelid open and rinse with plenty of water until the contaminant is removed. Immediately call in an ophthalmologist. Avoid getting water into the unaffected eye.
If swallowed	If swallowed, seek medical advice immediately. In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in persons who are wide awake and fully conscious) and consult a doctor as quickly as possible.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most important known symptoms and effects are described in the labeling (see section 2) and/or in section 11

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No data available

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable	Carbon dioxide foam, dry chemical powder, fire fighting sand.
Unsuitable	No information available

SPECIAL HAZARDS ARISING FROM SUBSTANCE OR MIXTURE

Fire hazard	No subsequent hazard is expected under ordinary conditions of use and storage
Hazardous decomposition	Carbon oxides and silicon dioxide.

ADVICE FOR FIREFIGHTERS

Precautions during firefighting	Determine whether your local emergency plan requires you to evacuate or isolate the area. To keep fire-exposed containers cool, use water spray. For large fires, use dry chemical, foam, or water spray. For small fires, use carbon dioxide, dry chemicals, or water spray. Water can be used to cool fire exposed containers.
Protection during firefighting	Firefighting and rescue teams must wear appropriate protective equipment including gloves, glasses, and shoes. Stay in the danger area only with self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Avoid contact with the eyes. Do not take it internally. Use a respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Follow emergency procedures and consult an expert.. For personal protection information, refer to Section 8.

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.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

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.

REFERENCE TO OTHER SECTIONS

For disposal, see Section 13.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Advice on safe handling Ensure sufficient ventilation at the workstation. Avoid contact with skin and eyes. Avoid material leakage.

Hygiene measures Wash hands and face after handling the product. For precautions, see Section 2.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage conditions Store in a tightly closed, dry container. Exercise caution. Ensure the storage area is cool, dry, and well-ventilated. Keep it away from direct sunlight, heat sources, and power outlets.

Storage class None

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

CONTROL PARAMETERS

Exposure Limits

No.	Components	Standards*	Reference
1	MQ Resin	Not Established	OSHA ¹ , ACGIH ²
2	Vinyl terminated polydimethylsiloxane	Not Established	OSHA, ACGIH
3	Polymethylhydrosiloxane	Not Established	OSHA, ACGIH
4	1-Ethynyl-1-cyclohexanol	Not Established	OSHA, ACGIH

¹Occupational Safety and Health Administration (OSHA) 8-hour total weight average (TWA) permissible exposure limit (PEL)

²American Conference of Governmental Industrial Hygienists (ACGIH) 8-hour total weight average (TWA) threshold limit value (TLV)

EXPOSURE CONTROLS

Eye and face protection Standard safety glasses and face shields

Hand protection Protective gloves

Body protection Suitable protective clothing

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment

Control of environmental exposure Do not release the product to the environment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless transparent liquid
Odor	Light
pH	7
Melting point	No data available
Boiling point	>200°C
Flash point	>100°C
Flammability	No data available
Vapor pressure at 25°C	No data available
Explosive limit	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Solubility	No data available
Viscosity	200 cP at 25°C
Density at 20°C	1.00 g/cm ³

OTHER INFORMATION

Information with regard to physical hazard classes	No additional information is available
Other safety characteristics	No additional information is available

SECTION 10. STABILITY & REACTIVITY

Chemical Stability and Reactivity	Stable and non-reactive under ordinary conditions of use and storage.
Materials and Conditions to Avoid	None. See Section 7 for recommended storage and handling conditions.
Hazardous Polymerization	Product does not react spontaneously.
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON HAZARD CLASSES AS DEFINED (EC) No 1272/2008

Not determined, based on available data

Acute Toxicity (Oral)	Not classified, based on available data
Acute Toxicity (Dermal)	Not classified, based on available data
Acute Toxicity (Inhalation)	No significant irritation from a single short-term exposure.
Skin corrosion/irritation	May cause skin irritation
Serious eye damage/irritation	May cause eye temporary irritation and discomfort
Respiratory or skin sensitisation	Not classified, based on available data
Germ cell mutagenicity	Not classified, based on available data
Carcinogenicity	Not classified, based on available data
Reproductive Toxicity	Not classified, based on available data
Specific Target Organ Toxicity (Single and Repeated Exposure)	Not classified, based on available data
Aspiration hazard	Not classified, based on available data

INFORMATION ON OTHER HAZARDS**Endocrine disrupting properties**

Product is not included in the list

Adverse health effects caused by endocrine disrupting properties

The product is not included in the list established in accordance with Article 57(f) of REACH for having endocrine disrupting properties, or is not identified as having endocrine-disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential adverse human health effects and symptoms

No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecological Toxicity

Prevent from spreading or entering into drains, surface water, groundwater and rivers. The product is considered non-toxic to aquatic organisms and has no adverse effects in the aquatic environment.

Hazardous to the aquatic environment, short term (acute)

No available data

Hazardous to the aquatic environment, long-term (chronic)

No available data

Mobility in soil

No available data

Bioaccumulation

No significant bioaccumulation potential

Persistence and biodegradability

Persistence is unlikely. Siloxanes can easily degrade in soil over time under appropriate environmental conditions.

PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE NATURE

Non-hazardous waste

WASTE TREATMENT METHODS

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. Do not pour into sewers or surface water, and avoid random disposal. Dispose of all containers or absorbents containing resin as hazardous waste.

WASTE TREATMENT PRECAUTIONS

Warning: Generated waste is hazardous. Do not dump it into sewers, or surface water, or dispose of it improperly. All containers or absorbers containing resin must be treated as hazardous waste.

SECTION 14. TRANSPORT INFORMATION

UN NUMBER OR ID NUMBER**ADR/RID/ADN, IMDG, IATA**

Not applicable

Following guidelines from the United Nations Model Recommendations on the Transport of Dangerous Goods (TDG) and the International Maritime Dangerous Goods Code, this product is not classified as dangerous goods.

TRANSPORTATION PRECAUTIONS

- Ensure the container is leak-proof.
- During transport, prevent falling, tipping, collisions, and exposure to direct sunlight.
- Pack and transport in a sealed container.
- Transportation must adhere to applicable national and international 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

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**Directive 2012/18/EU (Seveso III Directive) – Annex I: Named Dangerous Substances**

None of the ingredients is listed.

REGULATION (EC) No. 1907/2006 – Annex XVII: Restricted Substances

No restrictions

Directive 2011/65/EU (RoHS Directive) – Annex II: Restricted Substances in Electrical and Electronic Equipment

Substance is not listed.

Regulations on the Safety Management of Hazardous Chemicals of China

Catalog of hazardous chemicals: Not included.

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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