

## SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|                        |                                              |
|------------------------|----------------------------------------------|
| <b>Trade Name</b>      | LINQBOND™ EO-322PL                           |
| <b>Applications:</b>   | One-component epoxy-based adhesive           |
| <b>Advised Against</b> | No further relevant information is available |
| <b>Supplier Name</b>   | Caplinq Europe BV                            |

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## SECTION 2. HAZARDS IDENTIFICATION

### CLASSIFICATION OF THE SUBSTANCE/MIXTURE

#### Classification according to Regulation (EC) No 1272/2008

##### 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  
Category 2  
Category 2  
Category 2A

### LABEL ELEMENTS

#### Labeling according to Regulation (EC) No 1272/2008

The product is classified and labeled according to the CLP regulation.

#### Hazard Pictogram



#### SIGNAL WORD

Warning

#### HAZARD STATEMENTS

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

#### PREVENTION PRECAUTIONARY STATEMENTS

|      |                                                                            |
|------|----------------------------------------------------------------------------|
| P260 | Do not breathe dust/fumes/gas/mist/vapours/spray.                          |
| P264 | Wash thoroughly after handling.                                            |
| P270 | Do not eat, drink or smoke when using this product.                        |
| 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. |

#### RESPONSE PRECAUTIONARY STATEMENTS

|                    |                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------|
| P301 + P330 + P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.                                                       |
| P302 + P352        | IF ON SKIN: Wash with plenty of water.                                                                   |
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. |

P304 + P340  
P305 + P351 + P338

P308 + P313  
P310  
P312  
P321  
P333 + P313  
P362 + P364  
P363  
P391

IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF exposed or concerned: Get medical advice/attention.  
Immediately call a POISON CENTER/doctor.  
Call a POISON CENTER/doctor if you feel unwell.  
Specific treatment (see on this label).  
If skin irritation or rash occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
Wash contaminated clothing before reuse.  
Collect spillage.

**Storage Precautionary Statements**

P405 Store locked up.

**Disposal Precautionary Statements**

P501 Dispose of contents or containers to an approved waste disposal.

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**SECTION 3. INGREDIENT COMPOSITION**

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| No. | Components                                                    | CAS Reg. No. | Proportion (%) |
|-----|---------------------------------------------------------------|--------------|----------------|
| 1   | Epoxy resin 1                                                 | 25085-99-8   | 45             |
| 2   | Epoxy resin 2                                                 | 54208-63-8   | 10             |
| 3   | Dicyanodiamide                                                | 461-58-5     | 17             |
| 4   | Silica, amorphous, fumed                                      | 112945-52-5  | 23             |
| 5   | Siloxanes and silicones, di-Me, reaction products with silica | 67762-90-7   | 3.5            |
| 6   | Carbon black                                                  | 1333-86-4    | 1.5            |

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**SECTION 4. FIRST-AID MEASURES**

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**EYE CONTACT**

- Rinse the contaminated eye with water for 15 minutes or until the contamination is completely removed.
- Seek immediate medical attention.

**SKIN CONTACT**

- Immediately wash with soap and water. Wash contaminated clothing before reuse.
- Get medical attention if symptoms occur.

**INHALATION**

- Move the victim to fresh air.
- If the victim experiences any discomfort, seek immediate medical attention.

**INGESTION**

- If swallowed, drink plenty of water. Seek immediate medical help and follow the doctor's advice on whether to induce vomiting to keep the victim calm.

**PROTECTION OF FIRST-AIDERS**

- Wear impervious gloves. Avoid contacting the pollutant.

**HAZARDOUS EFFECTS**

- Nausea and irritation

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## SECTION 5. FIRE FIGHTING MEASURES

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### EXTINGUISHING MEDIA

Chemical dry powder, carbon dioxide, or foam fire extinguisher.

### COMBUSTION PRODUCTS

It may produce carbon monoxide, acetone, aldehyde, ammonia, and some organic materials.

### FIRE EXTINGUISHING PRECAUTIONS

Evacuate and isolate the fire area.

### FIRE FIGHTING PROTECTIVE EQUIPMENT

Firefighters should wear firefighting attire, protective gloves, safety goggles, protective footwear, and self-contained respiratory gear.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

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### PERSONAL PRECAUTIONS

- Wear appropriate personal protective equipment (PPE), including eye and skin protection.
- Prevent slips and falls by immediately cleaning any spills from the floor.

### ENVIRONMENTAL PRECAUTIONS

- Extinguish all flames and eliminate ignition sources.
- Prevent contamination of surface water and sanitary sewer systems.
- Notify the local water authority immediately if spillage enters any watercourse or drainage system.

### CLEANUP PROCEDURES

- Be aware of the potential for spontaneous hazardous polymerization.
- Use eye and skin protection.
- Ensure adequate ventilation during cleanup.
- Use an inert absorbent material to soak up the spill.
- Store the absorbed material in a half-filled, closed container pending proper disposal.

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## SECTION 7. HANDLING AND STORAGE

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### HANDLING

- Wear appropriate personal protective equipment (PPE).
- Prevent leaks and spills.
- Protect from light and heat.
- Avoid contact with eyes and skin.
- Ensure adequate ventilation.

### STORAGE

- Store away from direct sunlight, heat, power sources, fire, and other heat-emitting devices.
- Keep in a dry, cool, well-ventilated area
- Ensure the container remains tightly sealed.

## SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### ENGINEERING CONTROLS

If handling generates aerosols or vapors, local exhaust ventilation is recommended. Do not smoke or eat in the work area, and keep the workplace clean.

### EXPOSURE LIMITS

| No. | Components   | Time-weighted average exposure limits (TWA/8hr) | Short-term exposure limits (STEL) | Maximum exposure limits (CEILING) | Biological Standards (BEIs) |
|-----|--------------|-------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------|
| 1   | Carbon black | 3.5 mg/m <sup>3</sup>                           | 7 mg/m <sup>3</sup>               | –                                 | –                           |

### PERSONAL PROTECTION

- **Respiratory Protection:** Use of respiratory equipment and a gas mask is recommended.
- **Eye Protection:** Do not wear contact lenses and wash contaminated clothing before reuse. Chemical safety goggles are recommended. Ensure access to eye wash stations and emergency showers.
- **Skin/ Hand Protection:** Protective, impermeable gloves (general rubber or lined) are recommended. When handling the product, wear protective clothing and closed shoes.
- **Hygiene Practices:** Wash hands and face thoroughly before eating, drinking, or smoking. Maintain a clean work environment. Undergo regular health checkups as required by workplace policies.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                          |                        |
|------------------------------------------|------------------------|
| Appearance                               | Black liquid           |
| Odor                                     | Mild                   |
| pH                                       | Not Applicable         |
| Boiling Point                            | Not Available          |
| Melting Point                            | Not Applicable         |
| Flash Point (Closed-cup)                 | 250 °C                 |
| Vapor Pressure at 20 °C                  | Not Applicable         |
| Flammable (Solid, Gas)                   | Not Applicable         |
| Autoignition Temperature                 | Not Applicable         |
| Solubility in Water                      | Not Applicable         |
| Explosion Limits                         | Not Applicable         |
| Density                                  | 1.33 g/cm <sup>3</sup> |
| Vapor Density                            | Not Available          |
| Evaporation Rate                         | Not Available          |
| Octanol–Water Partition Coefficient, Kow | Not Applicable         |

## SECTION 10. STABILITY & REACTIVITY

### Chemical Stability and Reactivity

Stable and non-reactive under ordinary conditions of use and storage.

### Incompatibility

Avoid flammable, ignitable, heat source, spark, flame, strong oxidants, free radical initiators, peroxide, basic materials, and acid materials

### Hazardous Polymerization

May occur.

### Hazardous Decomposition Products

Carbon monoxide, acetone, aldehyde, ammonia.

## SECTION 11. TOXICOLOGICAL INFORMATION

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

| Ingredients:    | LD50 (Lethal Dose 50) | LC50 (Lethal Concentration 50) |
|-----------------|-----------------------|--------------------------------|
| Epoxy resin 1   | –                     | –                              |
| Epoxy resin 2   | –                     | –                              |
| Dicyanodiamide  | –                     | –                              |
| Silica          | –                     | –                              |
| Silicon dioxide | –                     | –                              |
| Carbon black    | –                     | 27000 mmg/m <sup>3</sup> /1H   |

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

|                                    |                                         |
|------------------------------------|-----------------------------------------|
| <b>Acute Toxicity (Oral)</b>       | Not classified, based on available data |
| <b>Acute Toxicity (Dermal)</b>     | Irritating to skin if contact           |
| <b>Acute Toxicity (Inhalation)</b> | May irritate to nose and throat         |
| <b>Acute Toxicity (Eye)</b>        | The vapor may irritate to eye           |
| <b>Sensitisation</b>               | May cause sensitization by skin contact |
| <b>Chronic Toxicity</b>            | Not classified, based on available data |
| <b>Long-term Toxicity</b>          | Not classified, based on available data |
| <b>Local Effects</b>               | Not classified, based on available data |
| <b>Special Effects</b>             | Not classified, based on available data |

## SECTION 12. ECOLOGICAL INFORMATION

|                                                                  |                                                                                                                                                                   |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecological Toxicity</b>                                       | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains substance which is hazardous for the environment |
| <b>Hazardous to the aquatic environment, short term (acute)</b>  | No available data                                                                                                                                                 |
| <b>Hazardous to the aquatic environment, long-term (chronic)</b> | May cause long-term adverse effects in the aquatic environment.                                                                                                   |
| <b>Persistence / Degradability</b>                               | No available data                                                                                                                                                 |
| <b>Mobility in soil</b>                                          | No available data                                                                                                                                                 |
| <b>Bioaccumulation</b>                                           | No available data                                                                                                                                                 |
| <b>Other Information</b>                                         | Prevent the product from entering drainage systems or the soil surface. After curing, it can be disposed of in accordance with local regulations.                 |

## SECTION 13. DISPOSAL CONSIDERATIONS

Waste must be disposed of at a city, state, or federally permitted facility. It must be handled by applicable regulations and/or local authorities. It should be recovered or recycled. It should not be poured into sewers or surface water, and random disposal should be avoided. All containers or absorbents containing resin must be disposed of as hazardous waste.

## SECTION 14. TRANSPORT INFORMATION

UN Number or ID Number  
ADR/RID/ADN, IMDG, IATA

UN3082

Proper Shipping Name  
ADR/RID/ADN

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S (Bisphenol A diglycidyl ether)

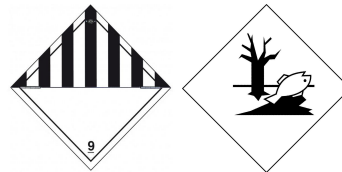
IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S (Bisphenol A diglycidyl ether)

IATA

Environmentally hazardous substances, liquid, n.o.s.  
(Bisphenol A diglycidyl ether)

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



Hazard Class  
Label

9 Miscellaneous dangerous substances and articles  
9

Packing Group  
ADR/RID/ADN, IMDG, IATA

III

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)

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

Maritime transport in bulk according to IMO instruments

Not applicable

Transport/Additional information

ADR/RID/ADN

Limited quantities (LQ)

5 L

Excepted quantities (EQ)

E1

Transport category

3

Tunnel restriction code

(E)

UN "Model Regulation"

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S. (Bisphenol A diglycidyl ether), 9, III

**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.*

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**SECTION 15. REGULATORY INFORMATION**

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**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.

Traffic Regulation

Occupational Safety and Health Act

Regulation of Labelling and Hazard Communication of Dangerous and Harmful Materials

Standards of Permissible Exposure Limits of Airborne Hazardous Substances in the Workplace

Management Regulations for the Import, Export, Transit, and Transshipment of Waste

Public Hazardous Materials and Flammable Pressurized Gases Establishment Standards and Safety Control Procedures

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**SECTION 16. OTHER INFORMATION**

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The information in this safety data sheet was obtained from reputable sources and, to the best of our knowledge, is accurate and current on the mentioned date. Neither CAPLINQ Corporation nor CAPLINQ Europe BV accepts 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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