

## Material Safety Data Sheet

According to 91/155/EEC and ISO 14001:2015

Version : 01  
Issued Date : June-2023

### 1. Identification of the substance/preparation and company

Product

Product name

**CONSOL HYBRID EPOXY NATURAL**

Manufacturer/supplier information

Manufacturer/supplier : PT.Kimia Konstruksi Indonesia  
Street/postbox : Ruko Wadung Asri Permai Blok B 8  
Jl. Wadung Asri no. 46-48  
Town/City and Post Code : Waru, Sidoarjo, Jawa Timur  
Country : Indonesia  
Phone/Fax : +62318661122/+62318661122

### 2. Composition/information on ingredients

Chemical characterization

Mixture of cement powder based polymer modified and liquid polymer compound.

### 3. Hazards identification

Classification



Irritant  
Dangerous for the environment

Human health hazards

Risk of serious damage to eyes. Irritating to respiratory system and skin. May cause sensitization by skin contact.

Environment hazards

Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

### 4. First-aid measures

Eye Contact

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Seek medical attention.

Skin Contact

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Seek medical attention.

#### Inhalation

Remove from exposure. In cases of possible respiratory irritation or if feeling unwell in cases of prolonged exposure, obtain medical attention.

#### Ingestion

Do not induce vomiting unless directed to do so by medical personnel. Maintain an open airway. Seek immediate medical attention.

#### Notes of physician

No specific treatment. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### 5. Fire-fighting measures

#### Suitable extinguishing media

Not readily combustible. Use foam, dry chemical or carbon dioxide.

#### For safety reasons unsuitable extinguishing agents

Water with full jet.

#### Special hazards caused by the material, its product of combustion or resulting gases

Combustion will produce smoke, carbon dioxide and carbon monoxide.

#### Protective equipment

Wear self-contained respiratory protective device.

### 6. Accidental release measures

#### Person-related safety precautions

Wear protective equipment. Keep unprotected persons away.

#### Measures for environmental protection

Prevent seepage into sewage system, workpits and cellars

Inform respective authorities in case of seepage into water course or sewage system

Do not allow to enter sewers/surface or ground water

#### Measures for cleaning/collecting

Avoid creating a dust, sweep preferably vacuum up and collect in suitable containers for recovery or disposal.

### 7. Handling and storage

#### Handling

##### Information for safe handling

Ensure good ventilation/exhaustion at the workplace.

##### Information about protection against explosions and fires

Protect from heat.

## Storage

Requirements to be met by storerooms and receptacles

Store in a cool location

Provide ventilation for receptacles

Information about storage in one common storage facility

Not required

Further information about storage conditions

Store receptacle in a well ventilated area

Keep receptacle tightly sealed

## 8. Exposure Controls/Personal Protection

Additional information about design of technical system

No further data; see item 7

Components with limit values that require monitoring at the workplace

Not required

Additional information

The list that were valid during the creation were used as basis

### Personal protective equipment

Breathing equipment

Not necessary if room is well-ventilated

Protection of hands



### Protective gloves

The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer

Penetration time of glove material

The exact break through time has to be found out by manufacturer of the protective gloves and has to be observed.

Eye protection

Safety glasses

Body protection

Protective work clothing

Boots

## 9. Physical and chemical properties

Part A

Physical state : Liquid

Colour : Milky White  
Odour : Characteristic  
Flash point : Not applicable  
Bulk Density : Approx. 1.05 g/cm<sup>3</sup>

Part B

Physical state : Liquid  
Colour : Jade Green  
Odour : Characteristic  
Flash point : Not applicable  
Bulk Density : Approx. 1.05 g/cm<sup>3</sup>

Part C

Physical state : Powder  
Colour : Grey  
Odour : Characteristic  
Flash point : Not applicable  
Bulk Density : Approx. 1.45 g/cm<sup>3</sup>

Mix A+B+C

Physical state : Pasta  
Colour : Dark Grey  
Odour : Characteristic  
Flash point : Not applicable  
Bulk Density : Approx. 1.85 g/cm<sup>3</sup>

## 10. Stability and reactivity

### Stability

Stable under normal conditions

### Conditions to avoid

Protect from frost

### Materials to be avoided

Acids, bases, amines, and oxidizing agents

### Thermal decomposition and hazardous decomposition products

Combustion will generate oxides of carbon, oxides of sulphur

## 11. Toxicological information

### Sensitization

When skin contact :

The low molecular weight epoxy resin is a potential skin sensitiser.  
The possibility of allergic sensitisation should be considered.

### Experience on humans

When skin contact :

May cause irritant contact dermatitis, allergic dermatitis and/or burns.

When eyes contact :  
Abrasion will likely cause transient irritation.

When inhalation :  
May cause respiratory irritation.

When swallowed :  
Not applicable

Further toxicological information  
For more-component products see also the safety-data-sheet of the other components.

## 12. Ecological information

Mobility  
The product is insoluble in water.

Persistence/degradability  
The product is expected to be not readily biodegradable.

Ecotoxicity  
This material is harmful to aquatic organisms

## 13. Disposal considerations

Product  
Recommendation  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging  
Recommendation  
Disposal must be made according to official regulations

Packaging  
Completely emptied packagings may be given for recycling.  
Empty packaging may still contain hazardous residues.  
Empty packaging should be removed by a licensed waste contractor.

## 14. Transport Information

ADR/RID  
Not regulated under ADR/RID

IMO/IMDG  
Not regulated under IMO/IMDG

IATA/ICAO  
Not regulated under ICAO

## 15. Regulatory information

Hazard symbol(s)

Xi irritant

Contains

Cement

R-phrases(s)

R41 Risk of serious damage to eyes  
R37/38 Irritating to respiratory system and skin  
R-43 May cause sensitization by skin contact

Safety phrases

S24 Avoid contact with skin.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37/39 Wear suitable gloves and eye/face protection.

Remark

76/769/EC / AI/47

VOC content (EU)

VOC (w/w): 0%

Regulatory information

Classification according to PP No. 74 Th 2001 The product is classified as Bersifat Iritasi (Irritant) substance.

## 16. Other information

Notice to reader

This is data contained herein are furnished for information only and are believed to be reliable. However, PT. KIMIA KONSTRUKSI INDONESIA doesn't assume responsibility for any result obtained by over those methods are not controlled.