

Material Safety Data Sheet

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

Version : 02
Issued Date : December-2023

1. Identification of the substance/preparation and company

Product

Product name

CONSOL EPOXY INJECTION

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 family/Characteristics

moisture tolerant based on a combination of epoxy resins

3. Hazards identification

Signal Word : WARNING

MAJOR HEALTH HAZARDS

CAUSES SERIOUS EYE IRRITATION. CAUSES SKIN IRRITATION. HARMFUL IF SWALLOWED.

PHYSICAL HAZARDS

Upon drying forms thin glass that can cut skin. Spilled material may cause slipping hazard.

PRECAUTIONARY STATEMENTS

Wear protective gloves, protective clothing, eye, and face protection as appropriate. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product.

ADDITIONAL HAZARD INFORMATION

Toxicity may be delayed, and may not be readily visible. Significant exposures must be referred for medical attention immediately. There is no specific antidote

GHS: CONTACT HAZARD - SKIN	Category 2-Causes skin irritation.
GHS: CONTACT HAZARD - EYE	Category 2A-Causes serious eye irritation.
GHS: ACUTE TOXICITY - INHALATION	No data available Not classified
GHS: ACUTE TOXICITY - ORAL TOKSISITAS BERAT - TERTELAN	Category 4 - Harmful if swallowed.
GHS: ACUTE TOXICITY - DERMAL:	Not classified as acutely toxic for dermal exposure
GHS: CARCINOGENICITY:	Not classified as a carcinogen per GHS criteria. This product is not classified as a carcinogen by NTP, IARC, or OSHA.



GHS SIGNAL WORD: WARNING

GHS HAZARD STATEMENTS:

GHS - Health Hazard Statement(s)
 Causes serious eye irritation
 Causes skin irritation
 Harmful if swallowed

GHS - Precautionary Statement(s) - Prevention

Wear eye protection/face protection
 Wear protective gloves
 Wash thoroughly after handling
 Do not eat, drink or smoke when using this product

GHS - Precautionary Statement(s) - Response

IF IN EYES
 Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN

Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

IF SWALLOWED

Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth Specific treatment.



GHS - Precautionary Statement(s) - Storage

There are no Precautionary-Storage phrases assigned

GHS - Precautionary Statement(s) - Disposal

Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations.

Hazards Not Otherwise Classified (HNOC)

None identified

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

Get 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 and Explosion Data

Flammability of the product

Not flammable materials

Suitable extinguishing media

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

Unsuitable extinguishing media for safety reasons

Do not use water jet

Special protective equipment for fire-fighting

Special protective equipment for firefighters, self-contained breathing apparatus.

Special Hazards of Product

Combustion will produce smoke, carbon dioxide and carbon Monoxide.

6. Accidental release measures

Small Spill

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by vacuum or sweep and place in a designated, labelled waste container.

Large Spill

Use a shovel to put the material into a convenient waste disposal container. Neutralize the residue with a dilute solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Personal precautions

Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Environmental precautions

Avoid dispersal or spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

7. Handling and storage

Handling

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible.

Storage

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

8. Exposure Controls/Personal Protection

Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operation generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminant below the exposure limits.

Personal Protection

Splash goggles lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent.

Personal Protection in Case of a Large Spill

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

Appearance

Part A

Physical state : Liquid
Colour : Transparrant
Odour : Characteristic

Part B

Physical state : Liquid
Colour : Brownish Transparrant
Odour : Characteristic

Mixed Part A+B

Physical state : Liquid
Colour : Brownish Transparrant
Odour : Characteristic
Mix Density : Approx. ~1 g/cm³

10. Stability and reactivity

Stability

The product is stable under normal conditions

Conditions to avoid

Sources of ignition, exposure to direct sunlight, high temperatures.

Incompatibility with various substances

No specific data

Hazardous decomposition

Under normal conditions of storage and use, hazardous decomposition products should not be produced

11. Toxicological information

Potential acute health effects

Inhalation

Irritating to respiratory system. May cause irritation.

Ingestion

Irritating to mouth, throat and stomach.

Skin contact

Irritating to skin. May cause sensitisation by skin contact.

Eye contact

Severely irritating to eyes. Risk of serious damage to eyes.

Chronic effects

Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

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

Recommendations

See chapter 15, national regulations.

Must be disposed of in a special waste disposal unit in accordance with the corresponding regulations

Contaminated packaging

Recommendations

Completely emptied packaging can be given for recycling

Packaging that cannot be cleaned should be disposed of as product waste

14. Transport Information

Regulatory information	UN number	Proper shipping name	classes	PG	Additional information
DOT classification	Not regulated		-	-	-
TDG classification	Not regulated		-	-	-

ADR/RID class	Not regulated		-	-	-
IMDG class	Not regulated		-	-	-
IATA-DGR class	Not regulated		-	-	-

15. Regulatory information

Danger Symbols (s)

Xi Irritant

R phrases

36/38 Irritating to eyes and skin

S phrases

2 Keep out of reach of children

24 Avoid contact with skin

37 Wear suitable gloves

National Regulation

Classification according to PP No. 74 Th 2001

The product is classified as (harmful) and (Dangerous to environment) 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.