

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 GROUT 778 EP

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

Combination of epoxy resins, selected fillers and aggregates that provide high strength.

3. Hazard Identification

Part A

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H341 Suspected of causing genetic defects.

Precautionary Statements :

Prevention : P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

- P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/ eye protection/ face protection.
P281 Use personal protective equipment as required.

Part B

Hazard pictograms :



Signal Word : Danger

- Hazard Statements : H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
H360 May damage fertility or the unborn child.
H362 May cause harm to breast-fed children.

Precautionary Statements:

- Prevention : P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P263 Avoid contact during pregnancy/ while nursing.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/ protective clothing/ eye protection/faceprotection.

Part C

Hazard pictograms :



Signal Word : Danger

- Hazard Statements : H335 May cause respiratory irritation.
H350 May cause cancer by inhalation.
H372 Causes damage to organs (Lungs) through prolonged or repeated exposure.

Precautionary Statements:

Prevention : P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
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.
P280 Wear protective gloves/ protective clothing/ eye protection/face protection.

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, waterway, 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

Part A

Physical state	: Liquid
Colour	: Dark Grey
Odour	: Characteristic
Flash point	: Not applicable
Bulk Density	: Approx. 1.00 g/cm ³

Part B

Physical state	: Liquid
Colour	: Yellowish
Odour	: Characteristic
Flash point	: Not applicable
Bulk Density	: Approx. 0.9 g/cm ³



Part C

Physical state	: Powder
Colour	: Grey
Odour	: Characteristic
Flash point	: Not applicable
Bulk Density	: Approx. 1.8 g/cm ³

Mix A+B+C

Physical state	: Paste
Colour	: Grey
Odour	: Characteristic
Flash point	: Not applicable
Bulk Density	: Approx. 2.1 g/cm ³

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.

