

# Material Safety Data Sheet

## RENAFIX GENERAL PURPOSE GROUT

Safety data sheet dated: 29.06.2022 - Version O  
Date of first edition: 29.06.2022



### 1. IDENTIFICATION OF THE PRODUCT AND NAME OF THE COMPANY/UNDERTAKING

TRADE NAME : Renafix General Purpose Grout  
MANUFACTURER'S NAME : RENAATUS PROCON PRIVATE LIMITED  
No:156, Mullamparapu,  
N.G. Palayam (Post)  
Erode-638115  
Tel: +91 73738 73738

#### Recommended use of the chemical and restrictions on use

Recommended use : General purpose cementitious grout  
Restrictions on use : Not Available

### 2. HAZARDOUS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

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

Causes skin irritation (Category 2), H315  
Causes serious eye damage (Category 1), H318  
May cause an allergic skin reaction (Category 1B), H317  
May cause respiratory irritation (Category 3), H335  
Adverse physicochemical, human health and environmental effects:  
No other hazards

#### 2.2 Label elements

##### Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word

Danger

##### Hazard statement(s)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

##### Precautionary statement(s)

P261	Avoid breathing dust.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection/ hearing protection etc.,

P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER if you feel unwell.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to an approved waste disposal plant
Supplemental Hazard Statements	None

### 2.3 Other hazards

No other hazards

Prolonged exposition and/or intensive inhalation of respirable free crystalline silica (average diameter less than 10 micron in accordance with ACGIH) can cause pulmonary fibrosis commonly referred to as silicosis.

This preparation contains cement. Contact between cement and body fluids (e.g. sweat and eye fluids) may cause irritation or burns.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous ingredients

Chemical Name	CAS-No.	Concentration (%)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Portland cement clinker	EC / List No.: 266-043-4 CAS No.: 65997-15-1	30 - 60 %	Causes skin irritation (Category 2), H315 May Cause respiratory irritation (Category 3), H335
Limestone	EC / List No.: 215-279-6 CAS No.: 1317-65-3	5– 10 %	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
Crystalline Silica	EC / List No.: 238-878-4 CAS No.: 14808-60-7	15 – 25%	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
Additives	NA	2- 5 %	NA

## 4. FIRST AID MEASURES

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### Emergency first aid procedures by route of exposure:

**General advice:** Consult a physician. Show this safety data sheet to the physician in attendance.

**In case of skin contact:** If irritation is experienced, flush with water. If irritation persists, get medical attention.

**In case of eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If inhaled:** Consult a physician immediately and show him the packing or label.

**If swallowed:** Do not induce vomiting. If the material is swallowed, get medical attention or advice.

## 5. FIRE FIGHTING MEASURES

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### 5.1 Extinguishing Media:

Suitable extinguishing media            Water, Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media        None in Particular.

### 5.2 Special hazards arising from the substance or mixture:

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Exposure to combustion products may be a hazard to health.

Hazardous combustion products : Not Available

Explosive Properties                        : ==

Oxidizing Properties                        : Not available

### 5.3 Specific extinguishing methods:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Evacuate area.

### 5.4 Fire Fighting Equipment/Instructions:

In the event of fire, Use personal protective equipment, protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and wear self-contained breathing apparatus.

### 5.5 Further information:

Suppress (knock down) gases/vapors/mists with a water spray jet.

## 6. ACCIDENTAL RELEASE MEASURES

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### 6.1 Personal precautions, protective equipment, and emergency procedures:

Use personal protective equipment.

Wear personal protection equipment.

Wear breathing apparatus if exposed to vapors/dusts/aerosols.

Evacuate personnel to safe areas.

Provide adequate ventilation.

Keep unnecessary personnel away.

### 6.2 Environmental precautions:

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains

### 6.3 Methods and materials for containment and cleaning up:

- Take up mechanically and dispose of according to local / national regulations.
- Scoop into containers and seal for disposal
- Retain contaminated washing water and dispose it.

### 6.5 Further Information:

- Dispose of all wastes in accordance with local / national regulations.

## 7. HANDLING AND STORAGE

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### 7.1. Precautions for safe handling

#### Precautions for safe handling

- : Comply with the legal requirements.
- Remove contaminated clothing immediately.
- Contaminated clothing should be changed before entering eating areas.
- Do not eat or drink while working.
- Handle uncleaned empty containers as full ones.
- Thoroughly clean/dry the installation before use.
- Do not discharge the waste into the drain.
- Avoid contact with skin and eyes, inhalation of vapors and mists.
- Do not use on extensive surface areas in premises where there are occupants.
- Use localized ventilation system.
- Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
- Observe normal hygiene standards. Keep container tightly closed. Measure the concentration in the air regularly.
- Work under local exhaust/ventilation.

#### Hygiene measures

- : Wash exposed skin thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Technical measures

- : Always keep in a well-ventilated place.
- Keep away from food, drink and feed.

#### Incompatible materials

- : None in Particular

#### Prohibitions on mixed storage

- : KEEP SUBSTANCE AWAY FROM ACIDS

#### Storage area

- : Cool and adequately ventilated.

#### Conditions for safe storage

- : Keep in properly labeled containers.

#### Advice on safe handling

- : Do not breathe vapors or spray mist.
- Do not swallow.
- Do not get in eyes.
- Avoid prolonged or repeated contact with skin.
- Handle in accordance with good industrial hygiene and safety practice.
- Take care to prevent spills, waste and minimize release to the environment.

#### Materials to avoid

- : Do not store with the product like Concentrated Acids

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1 Control parameters

Components with workplace control parameters

### 8.2 Exposure controls

**Appropriate engineering controls** : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide local exhaust or general room ventilation.

**Personal protective equipment** : Safety glasses. Gloves. Protective clothing.

**Materials for protective clothing** : GIVE EXCELLENT RESISTANCE: butyl rubber. viton.  
GIVE GOOD RESISTANCE: neoprene. tetrafluoroethylene.  
GIVE LESS RESISTANCE: nitrile rubber. polyethylene.  
GIVE POOR RESISTANCE: natural rubber. PVA. PVC.

**Eye/face protection** : Face shield and safety glasses. Use close fitting safety goggles, don't use eye lens

**Skin and body protection** : Protective clothing.

**Respiratory protection** : Personal Protective Equipment should comply with relevant CE standards (as EN ISO 374 for gloves and EN ISO 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information. A dust mask (P2) should be worn if above exposure limits (EN 149). Use respiratory protection where ventilation is insufficient or exposure is prolonged.

**Other information** : Do not eat or drink while working.

### 8.3 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	: Solid/ Powder
Material Family	: General Purpose Grout
Color	: Grey
Odor	: Odorless
pH	: No data available
pH (Water dispersion, 10 %)	: 12
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available

Relative vapor density	: No data available
Density (20 °C)	: 1.6 g/cm <sup>3</sup>
Solubility in water	: <5 g/l
Partition coefficient: n-octanol/water	: Not applicable
Autoignition temperature	: No data available
Decomposition temperature	: The mixture is not classified self-reactive.
Explosive properties	: Not explosive
Oxidizing properties	: The mixture is not classified as oxidizing.

## 10. STABILITY AND REACTIVITY

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Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: None
Conditions to avoid	: Stable under normal conditions.
Incompatible materials	: Hydrogen fluoride
Hazardous decomposition Products	: No hazardous decomposition products are known.

## 11. TOXICOLOGICAL INFORMATION

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Contains cement. Cement gives a strong alkaline reaction with water and body fluids (e.g. sweat and eye fluids), therefore the contact with skin and eyes should be carefully avoided.

## 12. ECOLOGICAL INFORMATION

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### 12.1 Toxicity

No data Available

### 12.2 Persistence and degradability

The methods for determining the biological degradability are not applicable to inorganic substances.

### 12.3 Bio accumulative potential

No data Available

### 12.4 Mobility in soil

No data available

### 12.5 Results of 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.

### 12.6 Other adverse effects

Additional ecological information

No data available

## 13. DISPOSAL INFORMATION

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Dispose of waste and residues in accordance with local authority requirements.

## 14. TRANSPORT INFORMATION

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Not classified as dangerous in the meaning of transport regulations

### 14.1 Transport hazard class(es)

Not available

### 14.2 Packaging group

Not available

### 14.3 Environmental hazards

Marine pollutant: No

Environmental Pollutant: Not available

### 14.4 Special precautions for user

No data available

## 15. REGULATORY INFORMATION

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### 15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### 15.2 Chemical safety assessment

For this product, a chemical safety assessment was not carried out

## 16. OTHER INFORMATION

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Document No.: REN/R&D/ERD/MSDS/S0009  
Replaces: NA

Date of issue: 29.06.2022  
Revised Section(s): NA

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Renaatus Procon Private Limited shall not be held liable for any damage resulting from handling or from contact with the above product. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

### Further information

Full text of other abbreviations

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	: ACGIH - Biological Exposure Indices (BEI)
NIOSH REL	: USA. NIOSH Recommended Exposure Limits
REACH	: Registration, Evaluation, Authorisation and Restriction of Chemicals (European Union)
CLP	: Regulation for "Classification, Labelling and Packaging
CAS	: Chemical Abstracts Service (division of the American Chemical Society)
EN	: European Norm (Standard)
ISO	: International Organization for Standardization (Standard)

PBT : Persistence, Bioaccumulation, and Toxicity.  
vPvB : Very Persistent and very Bio-accumulative  
GHS : Globally Harmonized System of Classification and Labeling of Chemicals.  
TSCA : Toxic Substances Control Act (USA)

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