

Gauranga General Traders

Harmu Chowk, Harmu Housing Colony, Harmu, Ranchi, Jharkhand 834002

MATERIAL SAFETY DATA SHEET

Material Name: Expansive Mortar Powder Total Page: 11

1. Identification of the substance/preparation and the company

Trade Name:	Expansive Mortar
Synonyms:	Soundless stone cracking powder, non-explosive demolition, non-explosive stone cracking powder, silent stone cracking, stone cracking demolition agent
Utilization:	Used for breaking, cutting, or demolishing stones, concrete, and reinforced concrete
Company Name:	Dealwell International
Contact Information (Head Office):	Harmu Chowk, Harmu Housing Colony, Harmu, Ranchi, Jharkhand 834002 Telephone Number: +91-8084906163 Mail ID: gaurcrackamite@gmail.com

2. Hazards Identification

Emergency Overview: Risk of serious damage to eyes. May cause irritation or burning to the skin.

HMIS Rating	No information available
NFPA Rating	No information available

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3. Composition/Information on ingredients

Chemical Composition	CAS no.	EC#	Weight (%)
Calcium Oxide (CaO)	1305-78-8	215-138-9	-
Ferric Oxide (Fe ₂ O ₃)	1309-37-1	215-168-2	-
Aluminum Oxide (Al ₂ O ₃)	1344-28-1	215-691-6	-
Silicon Dioxide (SiO ₂)	7631-86-9	231-545-4	-

4. First Aid

First aid after Inhalation:	Move the exposed person to fresh air immediately. Provide fresh air, warmth, and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues
First aid Skin contact:	Remove the affected person from the source of contamination. Wash skin thoroughly with soap and water. Get medical attention if irritation develops.
First aid Eye contact:	Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Seek Medical Attention.
First aid after Ingestion:	DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Promptly get affected personnel to drink large volumes of water to dilute the swallowed chemical. Obtain medical advice. Provide rest, warmth, and fresh air.

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Symptoms	<p>Acute Effects:</p> <ul style="list-style-type: none">May cause discomfort if swallowed.Risk of serious eye damage.This product may cause irritation of the skin.May irritate the respiratory system or lungs. <p>Chronic Effects:</p> <ul style="list-style-type: none">Repeated or prolonged exposure may aggravate asthma, and lead to inflammatory pulmonary disease.
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5. Fire Fighting Measures

Suitable extinguishing media:	This material is not flammable. Use extinguishing media that is appropriate for surrounding fire.
Unsuitable extinguishing media:	Not Known
Protective equipment:	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.
Special Hazards	NOTE: WHEN MIXED WITH WATER, THE PRODUCT EXPANDS UNDER HIGH-TEMPERATURE DEVELOPMENT AND WHEN IN HOLES THE FRICTION CAUSED BY THE EXPANSION WITHIN THIS CONFINED SPACE INCREASES TO HIGH TEMPERATURE.

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6. Accidental release measures

Personal Precautions	<ul style="list-style-type: none">Keep unnecessary and unprotected personnel from entering.Do not touch or walk through spilled material.Do not breathe dust.Provide adequate ventilation.Wear an appropriate respirator when ventilation is inadequate.Put on appropriate personal protective equipment.
Environmental Precautions	Avoid subsoil penetration. Prevent products from entering drains. Do not contaminate surface water
Method for Cleaning up	<ol style="list-style-type: none">Gather the released or spilled product with a broom or a shovel.Mix it with a large amount of water.Sprinkle it onto open ground.

7. Handling and Storage

Precautions for safe handling	Avoid contact with water at all times.
Precaution for safe storage	Store the product under dry conditions

8. Exposure Controls and Personal Protection

CAS No.	ACGIH	NIOSH	OSHA
1305-78-8	2 mg/m ³	2 mg/m ³	5 mg/m ³

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Appropriate engineering controls	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Respiratory Protection	It is recommended to wear a Respiratory dust-proof mask.
Hand Protection	It is highly recommended to wear long rubber or plastic gloves.
Eye Protection	Wear dust-resistant safety goggles where there is danger of eye contact.
Skin and Body Protection	Safety goggles, rubber gloves, Respiratory dust-proof mask. Wear necessary clothing to prevent repeated or prolonged skin contact. Wet cement burns can be painless so prevention of contact with skin is vital. Provide eyewash stations.

9. Physical and Chemical Properties

Molecular formula	No information available
Molecular weight	No information available
Colour	White
Physical State	Solid (Powder)
Odour	No information available
Odour threshold	No information available

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pH	No information available
Melting point	No information available
Initial Boiling point	No information available
Flash Point	No information available
Evaporation Point	No information available
Auto-Ignition temperature	No information available
Solubility	Slight soluble in water

10. Stability and Reactivity

Reactivity:	No information available
Chemical stability:	This product is stable under normal conditions
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur
Conditions to avoid:	Water (storage only)
Incompatible materials:	Reactive or incompatible with the following materials: oxidizing materials and moisture.
Hazardous decomposition products:	No such known

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11. Toxicological Information

Acute Symptoms/signs of exposure	
Skin:	Powder may irritate the skin.
Eyes:	Risk of serious eye damage.
Ingestion:	May cause discomfort if swallowed.
Inhalation:	May irritate the respiratory system or lungs.
Skin corrosion/irritation:	No information available
Serious eye damage/irritation:	No information available
Respiratory /Skin sensitization:	No information available
Germ cell mutagenicity:	No information available
Carcinogenicity:	No information available
Reproductive toxicity:	No information available

12. Ecological Information

12.1 **Ecological Toxicity:** Not regarded as dangerous for the environment.

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12.2	Persistence and degradability: No information available
12.3	Bioaccumulation Potential: No information available
12.4	Mobility in Soil: No information available

13. Disposal Considerations

Recommendations:	Mix with a large amount of water. Sprinkle it onto open ground. Please adhere to Local Authorities Advice at all times.
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14. Transport Information

Land Transport (DOT)	
UN Number	N/A
Proper Shipping Name	N/A
Class	N/A
Packaging Group	N/A
Air transport (IATA)	
UN Number	N/A

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Proper Shipping Name	N/A
Class	N/A
Sea Transport (IMO)	
UN Number	N/A
Proper Shipping Name	N/A
Class	N/A
Packaging Group	N/A

15. Additional Regulatory Information

Label for Supply	X _i
Risk Phrases	<ul style="list-style-type: none">• R14 Reacts violently with water• R34 Causes burns• R41 Risk of serious damage to the eyes
Safety Phrases:	<ul style="list-style-type: none">• S22 Do not breathe dust• S24/25 Avoid contact with skin and eyes

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- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S36/37/39 Wear suitable protective clothing, gloves and eye/face protection
- S38 In case of insufficient ventilation, wear suitable respiratory protection

EC Directives: European Communities (Classification, Packaging, Labeling and Notification of Dangerous Substances) Regulations 2003 (SI No 116 of 2003).
European Communities (Classification, Packaging, Labeling and Notification of Dangerous Substances) Regulations 2004 (SI No 62 of 2004).

16. Other Information

Date of Certification **17/01/2022**

1st Surveillance Due **16/01/2023**

2nd Surveillance Due **16/01/2024**

Certificate Expiry **16/01/2025**

Note: This certificate remains valid subject to regular satisfactory surveillance.

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Other Information

CAS: Chemical Abstracts Service

EC: European Commission

ACGIH: American Conference of Governmental Industrial Hygienists

NIOSH: US National Institute for Occupational Safety and Health

OSHA: US Occupational Safety and Health Administration

TLV: Threshold Limit Value

TWA: Time Weighted Average

STEL: Short Term Exposure Limit

LC50: Lethal Concentration, 50 percent kill

LD50: Lethal Dose, 50 percent kill

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

TSCA: Toxic Substances Control Act of USA

DSL: the Domestic Substances List of Canada

NDSL: the Non-Domestic Substances List of Canada

Disclaimer:

Material Safety Data Sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness are given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environmental protection.