

(MSDS)

MATERIAL SAFETY DATA SHEET

1) Chemical Product & Company Information

COMMERCIAL PRODUCT NAME:	MAGICRACK
COMMERCIAL PRODUCT DESCRIPTION:	Calcium Hydroxide
COMPANY:	Bharat UniTech Plot No. 13-B, Vatika Road, Khandal Vihar, Shriram Ki Nangal, Teh-Sanganer, Jaipur, Jaipur, Rajasthan, 302022

2) Composition and Information on Ingredients

Oxide composition report

SiO ₂	MgO	Fe ₂ O ₃	CaO	Al ₂ O ₃	Total
5.10	2.20	1.40	87.10	2.40	98.20

- **Form:** Powder
- **Color:** Grey
- **Odor:** None

3) Hazards Identification:

Emergency Overview

- Exposure of sufficient duration to wet quick lime can cause serious, potentially irreversible tissue (skin or eye) destruction in the form of chemical (caustic) burns. The same type of tissue destruction can occur if wet or moist areas of the body are exposed for sufficient duration to dry quick lime.

Potential Health Effects

- **Eye:** Contact may be irritated or burn unless immediately rinsed off.
- **Skin:** Contact may be irritated or burn unless immediately rinsed off.

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- **Ingestion:** Although small quantities of dust are not known to be harmful, illeffects are possible if larger quantities are consumed.
- **Inhalation:** Exposure to quick lime may cause irritation or caustic burns to the moist mucous membranes of the nose, throat, and upper respiratory system. It may also leave unpleasant deposits in the nose.
- Medical conditions which may be aggravated be, inhalation or dermal exposure Pre-existing upper respiratory and lung diseases

4) First Aid Measures

- **Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get Medical Attention.
- **Ingestion:** If Large amounts were swallowed give water to drink and get medical advice.
- **Skin Contact:** Wash exposed area with soap and water. Get medical advice if irritation develops.
- **Eye Contact:** Wash thoroughly with running water. Get Medical advice if Irritation develops.

5) Fire and Explosion Data

- **Fire:** Not considered to be a fire hazard.
- **Explosion:** Not considered to be an Explosion hazard.
- **Fire Extinguishing Media:** Use any means suitable for extinguishing surrounding fire.
- **Special Information:** In the event of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6) Accidental Release Measures:

- Ventilate area of leak or spill wear appropriate personal protective equipment as specified in section 3.
- **Spills:** Sweep up and containerize for replacement or disposal. Vacuuming or wet sweeping may be used.

7) Handling & Storage

- Keep in a tightly kraft paper bag. Stored in a cool and dry ventilated area. Protect against physical damage.

8) Exposure Controls / Personal Controls

- Do not inhale dust
- Avoid leak and dust
- Keep away from foodstuffs

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- Wash hands before breaks and after works
- **Skin Protection:** Wear Protective gloves and clean body covering clothing
- **Eye Protection:** Use chemical safety goggles. Maintain eye wash fountain and quick drench facilities in work area.

9) Physical and Chemical Properties

CHANGES IN PHYSICAL STATE:	1000°C			
DENSITY:	3.2 g/cm ³			
BULK DENSITY:	1150 kg/m ³			
VAPOUR PRESSURE:	No			
VISCOSITY:	None - Powder			
SOLUBILITY IN WATER:	None - Powder			
PH VALUE (AT 10G/1 H₂O):	13			
FLASH POINT:	None			
IGNITION TEMPERATURE:	None			
EXPLOSION LIMITS:	Lower:	None	Upper:	None
THERMAL DECOMPOSITION:	None			
HAZARDOUS DECOMPOSITION PRODUCTS:	None			
HAZARDOUS REACTIONS:	When mixed with water the product forms calcium hydroxide under strong temperature development.			
FURTHER INFORMATION:	Un-hydrated lime			

10) Stability and Reactivity

- **Stability:** Stable under ordinary conditions of use and storage
- **Hazardous Polymerization:** This substance does not polymerize

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11) Toxicological Information

- For a description of available, more detailed toxicological information contact the supplier or manufacturer.

12) Ecological Information:

- **Environmental Fate:** No information found
- **Environmental Toxicity:** No information found

13) Disposal Considerations:

- Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the management options.

14) Transport Information:

- **Other Information:** This Product is not dangerous for transport.
- **ADR:** Not Restricted
- **RD:** Not Restricted
- **ADNR:** Not Restricted
- **IMDC:** Not Restricted
- **IATA:** Not Restricted

15) Other Regulatory Information:

- **NFPA Ratings:** Health: 0 Flammability: 0 Reactivity: 0
- **Label Hazard Warning:** As a part of good industrial and personal hygiene and safety procedure avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

16) Other Information

Prepared by: Bharat UniTech

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