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# **MATERIAL SAFETY DATA SHEET (MSDS)**

**PRODUCT:**

**HYDRATED LIME (CALCIUM  
HYDROXIDE)**

Company:

Alpha Lime

Location:

Tanga, Tanzania

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## Section 1. Product Identification

Hydrated Lime is a white powder used in gold leaching to raise the pH of the gold solution.

## Section 2. Hazards Identification

- Causes skin and eye irritation.
- Avoid inhaling dust.
- Contact with water may release heat.



### Section 3. Composition / Ingredients

Main Ingredient: Calcium Hydroxide ( $\text{Ca}(\text{OH})_2$ )

Purity:  $\geq 90\%$

### Section 4. First Aid Measures

- **Eyes:** Rinse with plenty of water for at least 15 minutes.
- **Skin:** Wash with water and soap.
- **Inhalation:** Move to fresh air.
- **Ingestion:** Rinse mouth and seek medical help.

### Section 5. Handling and Storage

- Avoid contact with skin and eyes.
- Store in a cool, dry place away from moisture.
- Keep Alpha lime bags tightly closed.

## Section 6. Exposure Controls / Protection

- Use gloves, goggles, and a dust mask when handling.
- Wash hands after handling.

## Section 7. Physical and Chemical Properties

**Appearance:** White powder

**Odor:** Odorless

**Solubility:** Soluble in water

**pH** (in water): >12

## Section 8. Stability and Reactivity

- Stable under normal conditions.
- Reacts with acids to form calcium salts.

## Section 9. Disposal Considerations

- Dispose of in accordance with local regulations.
  - Avoid releasing into drains or the environment.
- Empty PP woven bags should be:
- Completely emptied of all lime residue before disposal or reuse.
  - Reused where possible for the same product to reduce waste.
  - Collected and sent to a licensed plastic recycling facility if reuse is not practical.
  - Never burned in open air, as burning polypropylene releases harmful fumes.
  - Stored in a dry area until collected for recycling or reuse.

## Section 10. Additional Information

This information is provided by Alpha Lime for safe handling and use of Hydrated Lime.