

TAMAX-SDS-03 — Safety Data Sheet for Agricultural Lime 40-12

TAMAX VENTURES LTD. — SAFETY DATA SHEET (SDS)

- **Document ID:** TMX-SDS-03
- **Chemical Name:** Calcium Carbonate, Magnesium Carbonate, Calcium Hydroxide Blend
- **Trade Name / Product:** TAMAX Agricultural Lime 40-12
- **Company:** Tamax Ventures Ltd. (Kansarawdo Mampong Road, Yankey Junction, Takoradi, Ghana)
- **Emergency Contact (Ghana):** 191 (National Fire/Ambulance services) or +233-31-2092199

SECTION 1: Chemical Product & Company Identification

- **Synonyms:** Aglime, Dolomitic limestone blend, Soil conditioner.
- **Chemical Formula:** CaCO_3 , $\text{CaCO}_3 \cdot \text{MgCO}_3$, Ca(OH)_2
- **Primary Uses:** Agricultural soil conditioning, pH correction, and fertilizer efficiency optimization.

SECTION 2: Composition / Information on Ingredients

- **Major Ingredients:** Limestone (Calcium Carbonate — CaCO_3), Dolomite (Double Calcium-Magnesium Carbonate — $\text{CaCO}_3 \cdot \text{MgCO}_3$), Hydrated Lime (Calcium Hydroxide — Ca(OH)_2).
- **Trace Constituents:** Naturally occurring trace minerals depending on deposit origin.

SECTION 3: Hazards Identification

[!WARNING] Xi — IRRITANT STATUS

- **R37:** Irritating to the respiratory system.
- **R38:** Mildly irritating to skin, particularly upon prolonged contact with moisture.
- **R41:** Risk of serious damage to eyes.
- **Warning:** Contains hydrated lime which can be caustic when wet. Airborne dust can cause upper respiratory irritation.

SECTION 4: First Aid Measures

Eye Exposure

- **Action:** Immediately flush eyes with large quantities of fresh running water for **15 minutes**. Ensure eyelids are held wide apart. Remove contact lenses immediately if present.
- **Target:** Prevent cornea damage. Seek medical attention if irritation persists.

Inhalation

- **Action:** Move the affected person to fresh air. If coughing and throat irritation persist, seek medical attention.

Skin Contact

- **Action:** Brush dry powder off skin. Wash the contaminated area with soap and water. Remove contaminated clothing.

Ingestion

- **Action:** Rinse the mouth thoroughly. Drink plenty of water. **Do NOT induce vomiting.** Seek medical advice if large quantities are swallowed.

SECTION 5: Fire-Fighting Measures

- **Flammability:** The substance is **non-flammable** and non-combustible.
- **Extinguishing Media:** Use extinguishing media appropriate for the surrounding fire.

SECTION 6: Accidental Release Measures

- **Personal Precautions:** Wear protective dust masks and goggles. Keep dust levels to a minimum.
- **Environmental Precautions:** Contain the dry spillage. Avoid large quantities entering waterways as it may temporarily alter pH.
- **Spill Cleanup:** Pick up dry powder mechanically utilizing vacuum systems or shovels. Avoid dry sweeping to prevent airborne dust.

SECTION 7: Handling & Storage

Handling

- Avoid direct contact with eyes and skin. Avoid inhaling dust. Ensure adequate ventilation in handling areas.

Storage

- Store under dry, weather-proof conditions. Keep away from strong acids.

SECTION 8: Exposure Controls & Personal Protection

- **Occupational Exposure Standard (OES):** 10 mg/m³ of total inhalable dust (8-hour TWA).

Personal Protective Equipment (PPE)

RECOMMENDED PPE	
	Mask: Dust Respirator
	Eyes: Safety Goggles
	Hands: Protective Gloves

- **Skin Protection:** Wear standard work clothing covering arms and legs.

SECTION 9: Physical & Chemical Properties

- **Appearance:** Finely ground off-white/greyish powder.
- **Odor:** Odorless.
- **pH value:** 10.5 – 12.0 (in aqueous suspension).
- **Solubility:** Slightly soluble in water. Soluble in acids.

SECTION 10: Toxicological & Ecological Information

- **Toxicological Profile:** Nuisance dust. Can cause mechanical irritation to eyes and respiratory tract. Mildly alkaline nature can cause skin dryness.
- **Ecotoxicity:** Not classified as environmentally hazardous, though large spills into water bodies can raise pH locally.