

## Section 1. Identification of the substance/preparation and of the company

**Product Name:** Fertile Boost

**Synonyms:** None

**Product Use:** Agricultural Fertilizer

**Name of Supplier:** Vegalab S.A.

**Manufacturer Information:** Vegalab S.A.

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Switzerland

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## Section 2. Hazards identification

- > **Explosion:** No cauterization
- > **Eye effects:** Irritating to eyes
- > **Skin effects:** Moderately irritating to the skin
- > **Inhalation:** May cause light lung damage if swallowed
- > **Ingestion:** Harmful if swallowed
- > **Carcinogenic effects:** No known significant effects or critical hazards
- > **Mutagenic effects:** No known significant effects or critical hazards
- > **Teratogenicity/Reproductive toxicity:** No known significant effects or critical hazards
- > **Effects of overexposure:** Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged exposure to the substance can produce lung damage. Repeated or prolonged with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to the substance can produce targeted organ damage.
- > **Chemical listed as carcinogens or potential carcinogens:** N/A
- > **Environment effects:** No hazard

## Section 3. Composition/information on ingredients

Chemical / Component Name	Concentration	CAS Number	EC Number	R Phrases
Boric Acid	5.50%	-	-	None
Calcium Carbonate	19.70%	1305-78-8	-	None
Carbamide (Urea)	10.00%	-	-	None
Complex Agents (Gluconic Acid)	29.80%	-	-	None
Nitric Acid	35.00%	-	-	None
<b>TOTAL</b>	<b>100.00%</b>			

## Section 4. First aid

- > **Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- > **Skin Contact:** No hazards that require special first aid
- > **Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Warm water must be used. Get medical attention.
- > **Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt, or waistband. Get medical attention if symptoms appear.

## Section 5. Fire-fighting measures

- > **Suitable extinguishing media:** Water, water spray, foam carbon dioxide, dry powder
- > **Extinguishing agents to avoid:** None
- > **Special fire fighting precautions:** Wear respiratory protection to avoid dust and smoke

## Section 6. Accidental release measures

- > In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc.
- > Dispose of with chemical waste

## Section 7. Handling and storage

- > **Handling:** Avoid contact with skin and eyes
- > **Storage:** Keep in dry, cool place (0-35°C)

## Section 8. Exposure controls/personal protection

- > **Engineering controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
- > **Personal protection:** Splash goggles, lab coat, dust respirator, and gloves are advised. Be sure to use an approved/certified respirator or equivalent.
- > **Personal protection in case of a large spill:** Splash goggles, full suit, dust respirator, boots, and gloves are advised. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.

> **Exposure limits:** TWA: 10 (mg/m<sup>3</sup>) from ACGIH (TLV) [United States] Inhalation Total. TWA: 10 STEL: 20 (mg/m<sup>3</sup>) [Canada] Inhalation Total. TWA: 5 (mg/m<sup>3</sup>) from OSHA (PEL) [United States] Inhalation Respirable. TWA: 15 from OSHA (PEL) [United States] Inhalation Total. Consult local authorities for acceptable exposure limits.

## Section 9. Physical and chemical properties

- > **Physical State:** Liquid
- > **Appearance Color:** Light brown
- > **Odor:** None
- > **Partition coefficient:** Solubility-water freely soluble
- > **pH:** 3~4
- > **Specific Gravity:** 1.4~1.5
- > **Melting point (°C):** N/A
- > **Flash point (°C):** N/A
- > **Auto-ignition temp. (°C):** N/A
- > **Vapor pressure (mm Hg):** N/A

## Section 10. Stability and reactivity

- > **Stability:** Stable
- > **Conditions to avoid:** Open flames or other high temperature sources, which might induce thermal decomposition
- > **Hazardous decomposition products:** Not expected
- > **Hazardous polymerization:** Will not occur

## Section 11. Toxicological information

### Acute toxicity

- > **Oral (rat):** None
- > **Dermal (rat):** None
- > **Skin Irritation (rabbit):** None
- > **Eye Irritation (rabbit):** None
- > **Long term toxicity:** None
- > **Chronic toxicity:** Non-carcinogenic, non-teratogenic, non-mutagenic or reproductive.
- > Not harmful to laboratory animals

## Section 12. Ecological information

- > Friendly to ecosystem
- > Does not leach to water way

## Section 13. Disposal considerations

### Wastes from residues/unused products:

- > Dispose of in accordance with local state and federal regulations
- > Do not contaminate water, food or feed by storage or disposal

## Section 14. Transport information

**Shipping name:** Vegalab – Fertile Boost

Not classified as dangerous in the means of transport regulations

## Section 15. Regulatory information

No.

## Section 16. Other information

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