

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

**Product Name:** Potassium Pro 0-20-26

**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

> **Potential Acute Health Effects:**

- > Very hazardous in case of skin contact (corrosive, irritant), of eye contact (irritant, corrosive), of ingestion, of inhalation.
- > The amount of tissue damage depends on length of contact.
- > Eye contact can result in corneal damage or blindness.
- > Skin contact can produce inflammation and blistering.
- > Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing. Severe over-exposure can produce lung damage, choking, unconsciousness or death. Inflammation of the eye is characterized by redness, watering, and itching.
- > Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering..

> **Potential Chronic Health Effects:**

- > **Carcinogenic Effects:** Not available.
- > **Mutagenic Effects:** Mutagenic for mammalian somatic cells.
- > **Teratogenic Effects:** Not available.
- > **Developmental Toxicity:** Not available.
- > The substance may be toxic to upper respiratory tract, skin, and eyes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction, or dermatitis. Repeated inhalation of dust can produce varying degree of respiratory irritation or lung damage.

### Section 3. Composition/information on ingredients

Chemical / Component Name	Concentration	CAS Number	EC Number	R Phases
Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	19.9%	-	-	None
Potassium Oxide (K <sub>2</sub> O)	26.8%	-	-	None
Water	53.3%	-	-	None
<b>TOTAL</b>	<b>100.00%</b>			

### Section 4. First aid measures

- > **Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
- > **Skin Contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
- > **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. Cold water may be used. Get medical attention immediately. If eye irritation occurs, consult a physician.
- > **Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

### Section 5. Fire-fighting measures

- > **Suitable extinguishing media:** Water, water spray, foam carbon dioxide, dry powder, etc.
- > **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. Synthetic apron. Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
- > **Personal Protection in Case of a Large Spill:** Splash goggles. Full suit. Vapor respirator. Boots. Gloves. 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:** CEIL: 2 (mg/m<sup>3</sup>) from OSHA (PEL) [United States] CEIL: 2 (mg/m<sup>3</sup>) from ACGIH (TLV) [United States] Consult local authorities for acceptable exposure limits.

## Section 9. Physical and chemical properties

- > **Physical State:** Liquid
- > **Appearance Color:** Transparent
- > **Odor:** None
- > **Partition coefficient:** Solubility-water freely soluble
- > **pH:** 8-9
- > **Specific Gravity:** 2.0-2.2
- > **Melting point (°C):** 380°C (716°C)
- > **Flash point (°C):** Not applicable
- > **Auto-ignition temp. (°C):** Not applicable
- > **Vapor pressure (mm Hg):** Not applicable

## 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 ecological**
- > **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 Potassium Pro 0-20-27

Not classified as dangerous in the meaning of transport regulations

## Section 15. Regulatory information

**No.**

## Section 16. Other information

Last revision – 04/01/2014