

# SAFETY DATA SHEET

## **1 IDENTIFICATION OF SUBSTANCE/PREPARATION AND THE SUPPLYING COMPANY:**

**PRODUCT NAME:** Amino Root

**PRODUCT CODE:** 04

**SUPPLIER:** Agrotechniek Metrop,  
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Netherlands.  
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## **2 COMPOSITION/INFORMATION ON INGREDIENTS:**

Synonyms : none

Chemical formula : aqueous solution of fertilisers.

Ingredients	CAS	Percent
Ammonium nitrate	6484-52-2	2.0 %
Phosphoric acid	7663-38-2	1.0 %
Ammonium phosphate	7722-76-1	1.3 %

Amino acids	N. A.	0.1 %
Water	N. A.	95.6%

### 3 **HEALTH HAZARDS:**

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Amino Root is not flammable, not toxic if inhaled. Toxic if swallowed in large quantities. Can cause irritation to skin and eyes.

SKIN CONTACT: Prolonged contact can cause irritation to skin.  
Symptoms include redness and itching.

EYE CONTACT: Causes irritation and redness.

INGESTION: Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhoea.

INHALATION: Does not produce any effect.

LONG-TERM: No adverse long-term effects known

### 4 **FIRST AID MEASURES:**

SKIN CONTACT: Rinse the skin with water. Remove the contaminated clothing. Wash the clothing before re use. before re use. before re use. Clean the shoes

EYE CONTACT: Rinse the eyes with water

INGESTION: If the product has been swallowed in large quantities, INDUCE VOMITING. Give large quantities of water. Get medical attention.

### 5 **FIRE FIGHTING MEASURES:**

The product does not present any fire hazard.

**6**      **ACCIDENTAL RELEASE MEASURES:**

No special requirement in case of spill. No personal protective equipment required.

No neutralisation required to the product which is environmentally friendly.

**7**      **HANDLING AND STORAGE:**

Product should be stored in frost-free conditions. Part used containers must be

tightly sealed. Shake before use. Protect the containers against physical damage.

**8**      **EXPOSURE CONTROLS/PERSONAL PROTECTION:**

RESPIRATORY PROTECTION:                      Not necessary

PROTECTIVE EQUIPMENT: Wear suitable glove when handling the product over long periods of time and eye protection

SPECIAL EQUIPMENT: None  
AIRBORNE EXPOSURE LIMITS: No limitation  
VENTILATION SYSTEMS: None required.

**9 PHYSICAL AND CHEMICAL PROPERTIES:**

FORM: Liquid, transparent yellow to brown  
ODOUR: light odour of ammonia  
pH (10% solution): 2.2  
FLASH POINT: None  
FLAMMABILITY: Non flammable  
REACTIONS: Liberate ammonia when in contact with alkalis  
SPECIFIC GRAVITY: 1.00 at 20°C  
SOLUBILITY IN WATER: Miscible in all proportions with water

**10 STABILITY AND REACTIVITY**

STABILITY: Stable in normal conditions  
HAZARDOUS DECOMPOSITION : None  
INCOMPABILITIES: None  
CONCITIONS TO AVOID: None

**11 OXICOLOGICAL INFORMATION**

Low oral toxicity

**12 ECOLOGICAL INFORMATION**

Environmental Effects : The product has positive effects on the environment. When released in the soil, it enhances the activity of the agrobiological microflora and improves the fertility of soils. No negative effects on groundwater. The product has a very short persistence in the soil.

Environmental Toxicity : No toxic effects on the environment have been found.

**13      DISPOSAL CONSIDERATIONS:**

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This product does not require any special disposal consideration.

**14      TRANSPORT INFORMATION:**

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Not regulated.

**15      REGULATORY INFORMATION:**

None

**16      OTHER INFORMATION**

Reactivity: 0

NFPA Ratings : Health : 0 Flammability: 0

Product use : Agriculture

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The information in this safety data sheet was prepared according to EC directive 93/112/EC and is correct to the best of this Company's knowledge at the date of publishing. The user must be satisfied that the product is entirely suitable for its purpose. This information is based on the requirements for the intended use of the product. The company accepts no

liability for any loss or damage resulting from reliance on this information.