

# Material Safety Data Sheet

In Accordance with Regulation (EC) Nr.1907/2006 ANNEX II

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier **PLANTAGRA**

### 1.2. Recommended use of the product Soil improver

### 1.3. Name, address and phone number of the product manufacturer

«ROMB» LTD  
Sofia, Bulgaria  
District Krasno selo, Ami Boue Str. №40  
Phone/fax: +359 2 950 1441, romb\_ltd@abv.bg, www.romb.bio  
Post Code: 1612

### 1.4. Emergency phone number

Pirogov Emergency Hospital  
Emergency phone number / fax: +359 2 9154 233 / 112

## SECTION 2: HAZARD IDENTIFICATION

### 2.1. Hazard classification

Safe substance or mixture according to Regulation (EC) No. 1272/2008.

### 2.2. Signal words and hazard statements

Safe substance or mixture according to Regulation (EC) No. 1272/2008.

### 2.3. Other hazards

**The substance/mixture doesn't include any components which are considered to be persevering, bioaccumulating and toxic (PBT), or very persevering and very bioaccumulating (vPvB) at concentrations of 0.1% or higher.**

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1. Substances: not applied

### 3.2. Mixtures

<b>Fulvic acid</b>	
<b>EINECS EC Number</b>	610-395-7
<b>CAS</b>	479-66-3
<b>Humic acid</b>	
<b>EINECS EC Number</b>	215-809-6
<b>CAS</b>	1415-93-6

## **SECTION 4: FIRST-AID MEASURES**

### **4.1. Description of necessary measures according to the different routes of exposure.**

#### **After skin contact:**

Wash the affected area with soap and water – immediately remove the affected clothing. In case of skin irritation (redness or other) look for medical help.

#### **After eye contact:**

Wash your eyes for at least 10 minutes under running water with wide open eyelids. Look for medical help if necessary.

#### **After ingestion:**

Wash your mouth thoroughly with water. Do not provoke vomiting. See a doctor as soon as possible.

### **4.2. Most important symptoms/effects, acute or delayed**

Described on the label (see 2.2) and/or in Section 11.

### **4.3. Indication of immediate medical attention and special treatment needed: no data.**

## **SECTION 5: FIRE-FIGHTING MEASURES**

### **5.1. Extinguishing media**

Extinguish fire with regard to the particular circumstances and environment.

#### **Suitable extinguishing media:**

Alcohol-resistant foam, carbon dioxide, dry dust or water stream.

#### **Unsuitable extinguishing media:**

No particular restrictions on extinguishing media for the particular substance/mixture.

### **5.2. Special hazards arising from the substance/mixture:**

Origin of decomposition of the product – unknown. Incombustible.

### **5.3. Suggestions for fire-fighters:**

Not applied

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal precautions, protective equipment, and emergency procedures:** avoid skin and eye contact.

### **6.2. Measures for environmental protection**

Do not let the product reach the canalization.

### **6.3. Methods and materials for containment and cleaning up**

Any leakage has to be cleaned immediately and contained in an appropriate, labelled and closable container for safe disposal. Depending on the degree and nature of contamination, it is to be disposed as a fertilizer or at an authorized waste facility.

Contaminated objects and floors should be cleaned with water and surfactants with consideration for the environment.

#### **6.4. References to other sections**

Data for personal equipment and elimination instructions can be found in Sections 8 and 13.

### **SECTION 7: HANDLING AND STORAGE**

#### **7.1. Precautions for safe handling**

##### **7.1.1. General recommendations**

Provide good aeration of the workplace.

Use personal protective equipment.

Avoid inhalation and eye or skin contact.

Eating, drinking, smoking and storage of food are not allowed in the work place.

Follow the instructions on the label.

##### **7.1.2. Precautions for safe handling**

General hygiene precautions for chemical handling has to be applied.

Provide an easy access to water facilities.

Wash your hands during work breaks and before leaving the work place.

Store away from food, drinks and animal food.

Remove the contaminated clothing and safety equipment before entering areas where food is consumed.

#### **7.2. Conditions for safe storage, including any incompatibilities**

Do not give access to unauthorized individuals.

Store the product unopened and in its original package.

Store in a well aerated place at temperature +5....+ 20°C.

Keep away from direct sunlight.

#### **7.3. Specific final use**

No current data available.

### **SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

#### **8.1. Parameters of control**

The product doesn't include components which require special control in the work place.

#### **8.2. Exposure controls**

##### **8.2.1. Appropriate engineering controls**

Provide good ventilation. If it is insufficient, a breathing mask should be used.

##### **8.2.2. Individual protection measures, such as personal protective equipment**

General hygiene precautions for chemical handling has to be applied.

Provide an easy access to water facilities.

Wash your hands during work breaks and before leaving the work place.

**Product: PLANTAGRA**

Store away from food, drinks and animal food.

Remove the contaminated clothing and safety equipment before entering areas where food is consumed.

Eye and face protection: Safely glasses with a side protection if applicable (e.g. EN 166)

Skin protection – Hand protection if applicable - safety nitrile gloves (EN 374).

Protective hand crème is recommended.

Skin protection - Others: means for body protection should be chosen depending on the type of work and possible effects, e.g. safety shoes EN ISO 20345, safety work attire (long-sleeved).

Breathing equipment: not necessary.

When risk assessment suggests a need for air purification, use filter A2 P2 (EN 14387), colour code white.

Thermal hazards:

Included in the individual safety measures if applicable.

Additional information on hand protection – tests not run.

### **8.2.3. Control of environmental exposure**

Do not let the product reach the canalization.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1. Information on the main physical and chemical properties**

Physical state:	Liquid
Colour:	Dark brown
Odor:	None
Odor threshold:	No data
pH of 0.2% solution:	7,0 – 7,5
Initial boiling point and boiling range:	No data
Flash point:	No data
Evaporation rate:	No data
Flammability (solid, gas):	No data
Lower explosive limits:	No data
Upper explosive limits:	No data
Vapor pressure:	No data
Relative density:	No data
Density: g/L	No data
Solubility:	No data
Water solubility:	Soluble
Partition coefficient n-octanol/water:	No data

Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data
Oxidative properties:	None

### 9.2. Other data

Miscibility	No data
Volume density	No data
Electrical conductivity	No data

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is chemically stable under standard environmental conditions (room temperature).

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

See Section 7 – Handling and Storage.

### 10.5. Incompatible materials

Compounds to be avoided: strong acids and bases, strong oxidizing agents.

### 10.6. Hazardous decomposition products

See Section 5.2.

Decomposition products depend on the temperature, air passing and presence of other materials.

## SECTION 11: TOXICOLOGICAL INFORMATION

No data available. Additional information on the effects on human health may be found in section 2.1 (classification).

When working according to the regulations on industrial hygiene and safety techniques, dangerous consequences are not expected.

## SECTION 12: ECOLOGICAL INFORMATION

No data available. Additional information on the environmental effects may be found in section 2.1 (classification).

## SECTION 13: DISPOSAL CONSIDERATION

### 13.1. Methods of disposal

Of the substance / mixture / leftovers

The waste material should be disposed in accordance with the national and local regulations.

**Of contaminated packaging**

Empty the container completely.

Clean packaging can be recycled.

Dispose of packaging that cannot be cleaned. Directive 2008/98/EC of the European Parliament and Council on waste.

**SECTOR 14: TRANSPORT INFORMATION**

**Land transport (ADR / RID)**

UN list number: not applicable

UN proper shipping name:

Transport hazard classes: not applicable

Packaging group: not applicable

Classification code: not applicable

LQ (ADR 2013): not applicable

LQ (ADR 2009): not applicable

Environmental hazards: not applicable

**Sea transport (IMDG)**

UN proper shipping name: not applicable

Transport hazard class(es): not applicable

Packing group: not applicable

Environmental hazards: not applicable

**Air transport (IATA)**

UN proper shipping name:

Transport hazard class(es): not applicable

Packing group: not applicable

Environmental hazards: not applicable

**Special precautions which a user needs to be aware of in connection with transport:**

If not indicated otherwise, follow the general measured for safe transport.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable. Packaged goods.

**SECTION 15: REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations specific for the product in question**

For classification and labelling see Section 2.

Safety instructions with accordance to Regulation (EU) No.1907/2006.

The product does not contain compounds destructive to the ozone layer according to Regulation (EC) No1005/2009.

**Product: PLANTAGRA**

The product does not contain stable organic pollutants according to Regulation (EC) No 850/2004 of the European Parliament and the Council form April 29, 2004.

Follow the regulations of trade association / occupational medicine.

### **15.2. Safety assessment of the chemical compound or mixture**

Not applicable.

## **SECTION 16: OTHER INFORMATION**

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The information presented herein is considered true but does not claim to be thorough; it is based on our current knowledge and experience and describes the product only from the single perspective on safety requirements.

ROMB LTD does not carry liability for any damage caused by inappropriate treatment or contact with the described product. If specifically indicated on the product or in any of its related documents, that product should only be used for research purposes, it cannot be used for any other purpose.