

# SAFETY DATA SHEET

## 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

This Safety Data Sheet is in accordance with Reg. 1278/2008/EC and 1907/2006/EC and its amendments.

### 1.1. Product identifiers

Product name: **RootGard**  
Product code WXL013A3

Substance name -  
CAS number -  
EC number  
CLP index number  
REACH registration number

UFI NUMBER: -

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Soil amendment, biostimulant

### 1.3. Details of the supplier of the safety data sheet

Company:	COMERCO AGRORTECHNOLOGY IKE , Athens Greece
Florida Distributor :	Company: Blue Eart Industries LLC
Address:	CLEARWATER FLORIDA
Phone number:	+1-727-793-0020
email:	info@BlueEarthInd.com
Website:	www.BlueEarthIndustries.com

### 1.4. Emergency telephone number

+1-727-793-0020 (working hours 09.00-17.00)

## 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

The product is not classified as hazardous according to Reg.1272/2008/EC (CLP Regulation) and Florida Department of Agriculture

### 2.2. Label elements

Labelling according to regulation 1272/2008/EC (CLP Regulation):

Pictogram: -  
Signal word: -  
Hazard statement: -  
Precautionary statement: **P102**

P102	Keep out of reach of children.
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Other statement: -

## 2.3. Other hazards

None

## 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

- Plant growth promoting **Rhizobacteria**
- Mycorrhizae content**
- **Vegetable oil**

3.2. Mixtures	CAS number Einecs/Elincs number CLP number REACH Number	%w/w	Labelling according to Regulation (EC) No 1272/2008 [CLP]
Trade name / IUPAC name			
-	-	-	-

The product does not contain any substances that are classified as hazardous according to CLP regulation.

It contains organic matter with mycorrhiza 0,0001%, bacteria rhizosphere  $10^3$ cfu/g, Trichoderma not found.

## 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

In case of eye contact Rinse thoroughly with plenty of water for at least 15 minutes and if there is any irritation, medical care is recommended

In case of skin contact Wash off with soap and plenty of water

If inhaled If a person remains in an area contaminated with vapors or fumes of the preparation (in case of fire), move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

If swallowed Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 4.2. Most important symptoms and effects, both acute and delayed.

No data available

### 4.3. Indication of any immediate medical attention and special treatment needed.

Wash eyes with water for at least 15min. Remove contact lenses.

## 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

## **5.2. Special hazards arising from the substance or mixture.**

The product is not explosive or flammable. At high temperatures during a fire, may form oxides of carbon and nitrogen. Exposure to smoke in these gases can cause significant health problems.

## **5.3. Advice for firefighters**

Wear self contained breathing apparatus for firefighting if necessary. The equipment for firefighting must meet general requirements of Directive 98/37/EC and 94/9/EC. Firefighter's uniforms and personal protective equipment must be approved (see section 16).

# **6: ACCIDENTAL RELEASE MEASURES**

## **6.1. Personal precautions, protective equipment, and emergency procedures**

The product is not flammable. However, at high temperatures (e.g., in case of fire) hazardous vapors formed as described in Section 5. For this reason, it is recommended to take personal precautions such as fire detection systems in warehouses, self-contained breathing apparatus for personal protection from the gases of combustion, marking points of water supply for the possibility of eye and / or skin wash.

## **6.2. Environmental precautions**

Avoid the release in the environment except for intended use

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

Collect the major quantity Use absorptive materials as sand, sawdust.

## **6.4. Reference to other sections**

For disposal see section 13.

# **7: HANDLING AND STORAGE**

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

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.  
Do not eat, drink and smoke in work areas. Wash hands after use. Remove protective equipment and working clothing before entering in eating areas.

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

Store the product in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Protect from freezing.

## **7.3. Specific end use(s)**

See 1.1

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

## **8.1. Control parameters**

No exposure limit values are mentioned in case of professional use.  
No national biological authorities are mentioned.  
No chemical safety report required.

## 8.2. Exposure controls

Eye/face protection	Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate standards such as EN 166 (Code 3: against drops and splashes of liquids)
Skin protection	Handle with latex gloves
Body protection	Complete suit protecting against chemicals,
Respiratory protection	The product does not contain hazardous chemicals on health and safety. The product does not form dust during use. Respiratory personal protection equipment should be used in case of fumes from a fire. The equipment must meet the requirements of EN 149 and the filter requirements of EN 143
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

(a) Physical state	Viscous liquid
(b) Colour	Beige
(c) Odour	Without odour
(d) Melting point/freezing point	-2°C
(e) Boiling point or initial boiling point and boiling range	No data available
(f) Flammability	No data available
(g) Lower and upper explosion limit	No data available
(h) Flash point	>600C
i) Decomposition temperature:	No data available
(j) Auto-ignition temperature	No data available
(k) Decomposition temperature	No data available
(l) pH	No data available
(m) Kinematic viscosity	No data available
(n) Solubility	No data available
(o) Partition coefficient n-octanol/water (log value)	No data available
(p) Vapour pressure	No data available
(q) Density and/or relative density	No data available
(r) Relative vapour density	No data available

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

(a) Explosives	No data available
(b) flammable gases	No data available

(c) Aerosols	No data available
(d) Oxidising gases	No data available
(e) Gases under pressure	No data available
(f) flammable liquids	No data available
(g) Flammable solids	No data available
(h) Self - reactive substances and mixtures	No data available
(i) Pyrophoric liquids	No data available
(j) Pyrophoric solids	No data available
(k) Self - heating substances and mixtures	No data available
(l) Substances and mixtures, which emit flammable gases in contact with water	No data available
(m) Oxidising liquids	No data available
(n) Oxidizing solids	No data available
(o) Organic peroxides	No data available
(p) Corrosive to metals	No data available
(q) Desensitised explosives	No data available

#### 9.2.2 Other safety characteristics

(a) mechanical sensitivity	No data available
(b) self-accelerating polymerisation temperature	No data available
(c) formation of explosible dust/air mixtures	No data available
(d) acid/alkaline reserve	No data available
(e) evaporation rate	No data available
(f) miscibility	No data available
(g) conductivity	No data available
(h) corrosiveness	No data available
(i) gas group	No data available
(j) redox potential	No data available
(k) radical formation potential	No data available
(l) photocatalytic properties.	No data available

### 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

No data available

#### 10.2. Chemical stability

Stable product

#### 10.3. Possibility of hazardous reactions

No data available

#### 10.4. Conditions to avoid

Storage at high temperatures or freezing

#### 10.5. Incompatible materials

Not referred.

#### 10.6. Hazardous decomposition products

During a fire, hazardous gas may be formed (e.g., carbon monoxide, nitrogen oxides)

## 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	No data available
Irritation	No data available
Corrosivity	No data available
Sensitisation	No data available
Repeated dose toxicity	No data available
Carcinogenicity	No data available
Mutagenicity	No data available
Toxicity for reproduction	No data available

### 11.1. Information on other hazards

No data available

## 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

The product is not classified as hazardous for the environment.

### 12.2. Persistence and degradability

The product is degradable.

### 12.3. Bioaccumulative potential

The product has not any bioaccumulative potential

### 12.4. Mobility in soil

The product is very soluble in water. Amino acids are absorbed by the plants directly.

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

The product has not any harmful effects on the environment. It does not destroy the ozone layer and it does not contribute to the creation of smog.

## 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

The waste packaging management should follow the federal state and local legislation. The product does not contain any toxic element for the environment. European Waste Catalogue (EWC) Code: 02 01 09 agrochemical waste other than those mentioned in 02 01 08

## 14: TRANSPORT INFORMATION

This product is not classified as hazardous and therefore no special precautions for handling is needed.

### 14.1. UN number

ADR/RID: -                   IMDG: -                   IATA: -

### 14.2. UN proper shipping name

ADR/RID: -                   IMDG: -                   IATA: -

### 14.3. Transport hazard class (es)

ADR/RID: -                   IMDG: -                   IATA: -

### 14.4. Packing group

ADR/RID: -                   IMDG: -                   IATA: -

### 14.5. Environmental hazards

ADR/RID: no                   IMDG Marine pollutant: no                   IATA: no

### 14.6. Special precautions for user

No data available

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

## 15: REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 & Regulation (EC) No. 1272/2008 and its amendments.

### 15.1. Safety, health, and environmental regulations/legislation specific for the substance or mixture

No data available

### 15.2. Chemical safety assessment

No data available

## 16: OTHER INFORMATION

- Text of H-statement(s) and P-statement(s) mentioned in Section 3

Hazard Statement: -

Precautionary statement: -

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product regarding appropriate safety precautions.

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