

**Broad hectare Copper-Zinc****MATERIAL SAFETY DATA SHEET****SECTION 1: PRODUCT/COMPANY IDENTIFICATION**

**Product Name:** Broad hectare Copper-Zinc

**Active Ingredient:** Zinc 600g/L + Copper 150g/L Plus 15% Germination Hormones (*Ecklonia maxima*)

**Type of Formulation:** Suspension concentrate (SC)

**Indented Use:** Agricultural Germination Booster

**Company /Supplier detail: Sineria Holland BV.**

Randwycksingel 20-A015

6229 EE Maastricht, The Netherlands.

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Active Ingredients</b>	<b>Content (g/L)</b>
Zinc (Zn)	600
Copper (Cu)	150
Germination Booster ( <i>Ecklonia Maxima</i> )	150

**SECTION 3: HAZARD IDENTIFICATION**

Harmful if swallowed. May Cause eye and skin irritation.

**Precautionary statements:**

P102: Keep out of reach of children

P260: Do not breathe dust/fumes/gas/mist/vapors/spray.

P270: Do not eat, drink or smoke when using this product.

P280: Wear protective gloves/protective clothing/eye protection/face protection

**SECTION 4: FIRST AID MEASURES**

**General Advice:** In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). First Aider: Pay attention to self-protection!

**If Ingestion:** Do NOT induce vomiting. Rinse mouth. Drink plenty of water if symptoms persist, call a physician.

**In Inhaled:** If product is inhaled, remove person to fresh air, if not breathing, give artificial respiration. Seek medical attention if breathing problems develop.

**If on skin:** Remove contamination clothing. Wash skin and hair thoroughly; do two soap and water washings.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.



## **SECTION 5: FIRE FIGHTENING MEASURES**

**Suitable extinguishing media:** Use extinguishing measure that are appropriate to local circumstances and the surrounding environment

**Special hazards arising:** No Specific hazard known.

**Firefighting instructions:** Fire fighter should wear full protection gear, including self-contained breathing apparatus. Keep unnecessary people away. If it can be done safely, remove intact containers from the fire. In the event of fire, wear self-contained breathing apparatus. In the event of fire and /or explosion do not breathe fumes.

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

**Personal precaution, protective equipment's and emergency procedures:** In case of spillage it is important to take all steps necessary to avoid contact with the spilled material or contaminated surfaces. Extinguish or remove any sources of ignition. When dealing with spills do not eat, drink or smoke. Wear protective clothing and equipment. Keep people and animals away. Prevent spilled material from entering drains or watercourses.

**Environmental precautions:** Do-not allow to get into surface water, drains and ground water. If the product contaminates rivers and lakes or drains inform respective authorities.

Reposition any leaking container so as to minimize leakage.

**Method and material for contaminates and cleaning up:** Contain spill and absorb with earth, sand, clay or other absorbent material. Collect and store in properly labelled, sealed drums for safe disposal. Deal with all spillages immediately.

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

**Precaution for safe handling:** Safe work practices are recommended. Avoid contact with eyes and skin. When opening the containers and preparing spray wear appropriate PPE (Refer section 8). Do not spray under high wind conditions.

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

**Engineering control:** use only with adequate ventilation. Keep container tightly closed. Do-not generate dust.

Personal protective equipment (PPE):

Respiratory protection Use NIOS/MHA approved respirator appropriate for exposure of concern.

**Hand protection:** Protective gloves.

**Eye protection:** Wear safety glasses with side shield. Additionally, wear a face shield where the possibility exist for face due to splashing, spraying or airborne contact with this materials.

**Skin and body protection:** Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants and jackets.

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

**Appearance:** Green suspension liquid

**Odor:** Weak Characteristic

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**pH:**3-7

**Explosive Properties:** Non-Explosive

**Oxidizing properties:** Non-Oxidizing

**Stability:** Stable under normal temperature and pressure.

#### **SECTION 10: STABILITY AND REACTIVITY**

**Possibility of Hazardous:** No dangerous reaction known under condition of normal use and storage condition.

**Chemical Stability:** This-products is chemically stable under recommended condition of storage, use and temperature.

**Condition to avoid:** Protect this product from light. Store in the closed original container in a dry, cool, well ventilated area out of direct sunlight.

**Incompatible materials:** Strong acids, strong bases, strong oxidant agents.

**Polymerization:** This product will not undergo polymerization reactions.

#### **SECTION 11: TOXICOLOGY INFORMATION**

Acute oral LD<sub>50</sub>, (rats): > 5000mg/kg

Acute dermal LD<sub>50</sub>, (rats): > 5000mg/kg

Skin irritation (rabbits): Non-Irritant

Eye irritation (rabbits): Non-Irritant

Skin Sensitization (Guinea pigs): Non-Sensitizer

#### **SECTION 12: ECO-TOXICOLOGY INFORMATION**

Bees (LD<sub>50</sub>, µg/bee): Non -Toxic

Worms (LC<sub>50</sub>, for Earthworm: Non -Toxic

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste from residue/unused product:** Disposal should be in accordance with applicable regional, national and local law and regulations.

**Contaminated packaging:** Improper disposal or reuse of this container may be dangerous and illegal.

#### **SECTION 14: TRANSPORT INFORMATION**

**General Transport Information:** It is considered good practice not to transport agricultural chemical products with food, food related material and animals feed product.

**UN Number:** Not regulated for Dangerous good.

#### **SECTION 15: REGULATORY INFORMATION**

##### **Precautionary statements:**

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#### **SECTION 16: OTHER INFORMATION**

The information contained in the material safety data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information related only to the product specified and may not be suitable for use with other materials or in processes other than those specifically described herein.

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