

Safety information sheet

(According to 1907/2006/EC)

PANORAMIX^{Maize}

Last revision: 08/03/2016, version 2.0

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1 IDENTIFICATION OF THE SUBSTANCE OR THE PREPARATION, AND OF THE COMPANY/BUSINESS

- **Product name:** Panoramix^{Maize}
- **Use of the substance or preparation:** Biostimulant for agricultural seed treatment
- **Supplier:** Koppert BV
- **Address:** Veilingweg 14
2651 BE Berkel en Rodenrijs, The Netherlands
- **Telephone number / Fax:** +31 (0)10-514 04 44/ +31 (0)10-511 52 03
- **Information available from:** Marketing / Product management
- **Telephone number for emergencies:** +31 (0)10-514 04 44

2 IDENTIFICATION OF THE DANGERS

- **Danger category and abbreviation:** no symbol assigned
- **Dangers to the health of humans and the environment:** no risk expected
- **Classification system:** not classified
- **Supplementary information:** Does not contain dangerous substances

3 COMPOSITION AND information about the constituents

- Microbial consortium of:
- Arbuscular mycorrhizal fungus 100 propagules/mL
- Trichoderma spp. > 1 x 10⁹ CFU/mL
- Bacillus spp. > 1 x 10⁸ CFU/mL

4 FIRST-AID MEASURES

- **Symptoms /effects:** Exposure to the product does not cause acute symptoms
- **In case of inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration..
- **After contact with skin:** Rinse the skin with soap and water. In the event of persistent skin irritation, seek medical advice.
- **In case of contact with eyes:** Rinse eyes thoroughly with water for 15 minutes. Seek medical advice if irritation persists.
- **If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical advice immediately.

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5 FIRE-FIGHTING MEASURES

- **Suitable extinguishing agents:** dry chemical powder, carbon dioxide.
- **Unsuitable extinguishing agents:** Not applicable
- **Protective equipment:** Breathing apparatus and protective clothing.
- **Supplementary information:** The product is non-flammable.

6 ACCIDENTAL RELEASE MEASURES

- **Personal precautions:** Avoid breathing vapours, see chapter 8 or gas. See also Section 8.
- **Environmental precautions:** Do not let product enter drains.
- **Cleaning methods:** Cover up spillages of the product before carefully vacuuming it up. Sweep up and shovel. Keep in suitable, closed containers for disposal.
- **Supplementary information:** not provided

7 HANDLING AND STORAGE

- **Handling** Do not place in a warm environment or in direct sunlight. Read the label before use.
- **Preventing fire and explosion:** No special measures required (see section 10) The product is non-flammable.
- **Storage:** Storage temperature: 4-10°C: Keep dry and in the dark in robust, closed original packaging.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

- **Measures for the control of exposure:** Avoid contact with skin and eyes.
- **Protection of the hands:** Safety gloves.
- **Protection of the eyes:** Close-fitting safety goggles.
- **Protection of the skin:** Wear suitable protective clothing.

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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Shape:	Black oily liquid
Odor:	Typical herbal odor
Formulation type:	Flowable concentrate for seed dressing (FS)
Boiling point:	> 260°C
Flash point:	~ 200°C
Explosion hazard:	Not explosive
Oxidising properties:	not oxidizing
Density at 20°C:	9.17 - 9.25 Kg dm ⁻³
Vapour pressure:	< 1 mbar
Solubility in water:	insoluble
Viscosity at 20°C:	~60 mPa s
Viscosity at 40°C:	~28 mPa s

10 STABILITY AND REACTIVITY

- **Thermal decomposition / Conditions to be avoided:** Stable for 6 months when stored in the fridge (section 7).
- **Materials to be avoided:** Strong acids. Avoid contact with sources of heat
- **Dangerous reactions:** No dangerous reactions known
- **Dangerous decomposition products:** CO, CO₂ and SiO₂ could be formed.

11 TOXICOLOGICAL INFORMATION

NO TOXICOLOGICAL STUDIES PERFORMED WITH THE FORMULATION.

- **Acute oral toxicity (LD50):** > 2000 mg/kg (based on similar products)
- **Acute dermal toxicity (LD50):** > 2000 mg/kg (based on similar products)
- **Skin sensitization** Microorganisms may cause sensitizing reactions
- **Skin irritation:** not irritant
- **Eye irritation:** not irritant
- **Chronic effects:** None of the components is known as carcinogenic; does not contain dangerous goods. Not classified by NTP, IARC or OSHA. Non infective and not pathogenic in rat.

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12 ENVIRONMENTAL INFORMATION

- **Behaviour in environmental media:** Microbials occurs naturally in the soil
- **Mobility and bio-accumulation potential:** spores do not grow in water.
- **Ecotoxic effects:** Not expected
- **General information:** Neither acute nor chronic effects are known

13 INSTRUCTIONS FOR REMOVAL

- **Precautions:** Ingredients of Panoramix^{Maize} do not raise concern for environment.
- **Disposal of product:** Offer surplus and non-recyclable solutions to a licensed disposal company.
- **Packaging not cleaned:** Dispose of as unused product

14 INFORMATION RELATING TO TRANSPORTATION

- **Transport information:** not classified in regard to transportation by ADR/RID, IMDG, IMO and IATA.

15 REGULATORY INFORMATION

- **Label name:** Panoramix^{Maize}
- **Symbols:** None
- **Risk and safety phrases:** None

16 ADDITIONAL INFORMATION

Recommendations presented in this safety information sheet apply only to the product as originally supplied. If other ingredients are used in the processing of this product, the recommendations for the use and handling of that product must be verified.

This document contains important information in order to ensure the safe storage, handling and use of this product. The information in this document must be brought to the attention of the safety/health/environmental advisor within your organisation. The information in this document must be made known to everyone whose work involves this product.

The data is based on the current expertise and presents the health, safety and environmental aspects of this product. They form no guarantee of product properties.