

SAFETY DATA SHEET (91/155/CEE)

ROOTSENSATION

1. Identification of the preparation and the company

Trade name : ROOTSENSATION

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Application of the substance / preparation: fertilizer

2. Composition and information on the ingredients

Information on composition:

- 1) Mix of amino acids, peptides and humic acids
- 2) Other ingredients (trade secret)

Characterization of important components according to ingredients:

Warning signs : None
R-Phrases : None

3. Hazards identification

Inhalation, ingestion and contact with the skin may in individual cases result in sensitization, especially in sensitive individuals. Diluted down to the concentration of use, a sensitive effect is not likely to occur.

4. First-aid measures

IN CASE OF:

Inhalation: move subject to fresh air and get medical attention. Consult a physician.

Eye contact: immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists consult a physician.

Skin contact: remove contaminated clothing and wash affected skin thoroughly with soap and water.

Ingestion: Never give anything by mouth to an unconscious person and never provoke vomiting. Consult a physician.

Note to Physician: no special first aid measures

5. Fire-fighting measures*Suitable extinguishing media:*

Dry chemical, water spray, carbon dioxide.

Special exposure hazards arising from substance or combustion products:

The product itself is not combustible. Vapours released during the thermal decomposition of the product can be irritating to the mucous membranes and the upper respiratory tract.

Special protective equipment for fire-fighting:

Cool drums exposed to the fire with water spray. Coordinate fire fighting measures and personal protective equipment with primary cause of fire and environmental vicinity. Collect contaminated water if possible and dispose according to local regulations.

6. Accidental release measures

Wear protective clothing (see section 8). Close drains. Dike spill with inert material. Pump off large amounts of the product into marked, resistant containers. Cover residue with an inert absorbent, take up by mechanical means into marked containers and hold for waste disposal as described in chapter 13. Thoroughly rinse affected ground with plenty of water.

7. Handling and storageHandling

Handle product only in well-ventilated areas. Use only corrosive resistant tools and equipment. Avoid any direct contact with the product. Strictly follow the instructions of use. Provide eye bath at working place.

Storage

Store product in tightly closed containers in a ventilated area at temperatures between 0 and 40 °C. Take suitable measures to avoid spills entering into drains or water circuits in case of spills. Avoid contact with spills and splashes during refilling processes.

8. Exposure controls and personal protection

Technical facility design:

There are no additional measures necessary besides those, given in chapter 7.

Components with exposure limits:

The discussed product does not contain any components with exposure limits.

Personal hygiene and protective equipment

Observe the general guidelines of industrial hygiene as stated by the responsible professional association. Avoid any direct contact with the product. Change contaminated clothing and thoroughly wash before reuse. Do not rub the eyes with dirty hands. Wash hands after work.

Respiratory protection	:	Not necessary.
Hand protection	:	Gloves of rubber or plastic.
Eye protection	:	Chemical safety goggles.
Skin protection	:	Impermeable work clothes.

9. Physical and chemical properties

Form	:	suspension in water
Colour	:	brown
Odour	:	characteristic
pH value (at g/l H ₂ O) (20 °C)	:	7
Melting point	:	0 °C
Boiling point	:	100 °C
Vapour pressure	:	no data available
Viscosity	:	no data available
Water solubility	:	soluble (> 800 g/l)
Flashpoint	:	not applicable
Auto-flammability	:	not applicable
Explosion limits	:	not explosive
Partition coefficient n-Octanol/	:	not applicable

10. Stability and reactivity

Stability	:	Stable under normal storage conditions.
Conditions to avoid	:	Overheating, humidity.
Materials to avoid	:	Strong oxidizing agents.
Hazardous decomposition products	:	Possible development of toxic fumes in fire conditions

11. Toxicological information**Acute toxicity:**

- Oral: weakly irritating
- Skin and eyes: weakly irritating
- Inhalation: weakly irritating

Sub-chronic and chronic toxicity: not available

12. Ecological information

The product is not classified as dangerous for the environment, according to EC criteria.

The product is fully biodegradable.

13. Disposal considerations

Disposal must be made according to relevant local regulations.

14. Transport regulations

IMDG-PAGE	:	-	UN N°	:	-	IACO/IATA	:	-
GGVS/GGVE	:	-	RID/ADR	:	-	ADNR	:	-
HAZARD N°	:	-	MFAG	:	-	EMS	:	-
TREMCARD	:	-	IATA-PAGE	:	-	PACK GROUP:	:	-
DANGER NOTE	:	-	MARINE-POL	:	-	SKZ N°	:	-

The product is not covered by the regulations of the transport of dangerous goods.

15. Regulatory information

The product has been classified and labelled in accordance with EC directives/Ordinances.

Classification: not dangerous

R-Phrases: none

S-Phrases: none

Cautions: do not apply up-wind, do not contaminate other crops, animal feeding stuffs and waterways

Refer to all applicable national, international and local regulations or provisions.

16. Other information

The attention of the user is drawn to the possible risks incurred by using the product for any of the purpose other than for which it was intended.

The information contained herein related only to the specific material identified.

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