

MATERIAL SAFETY DATA SHEET

KB 11/01/93 (BS 17/05/1993) en KB 23/06/1995 (BS 26/10/1995)

1. Product name and manufacturer

- 1.1. Product name: TourTurf Bio Activo Plus 3-0-5 (EU 3-0-6) (8575)
- 1.2. Manufacturer: E. Marker A/S – Okslundvej 8, Bov, DK-6330 Padborg
- 1.3. Telephone (for emergencies): +45 74 67 08 08

2. Composition and information on ingredients

hazardous ingredients	CAS-nr concentration	hazard symbol	R-sentences
no hazardous ingredients	- -	-	-

3. Risks

not a hazardous product

4. First-aid measure

- 4.1. In case of eye contact: wash with plenty of water. Consult doctor if irritation persists.
- 4.2. In case of skin contact: wash with plenty of water and soap.
- 4.3. In case of inhalation: not possible
- 4.4. In case of swallowing: induce vomiting. Consult doctor immediately.

5. Fire-fighting measure

- 5.1. Extinguish with: Water, CO₂ or other similar products
- 5.2. Products to avoid: none
- 5.3. Special risks: not known
- 5.4. Special clothes recommended: use respiratory mask

6. Accidental release measure

- 6.1. Towards individuals: wash hands and body with plenty of water and soap
- 6.2. Towards environment: sweep or scoop up and collect for disposal. Flush area with lots of water. Avoid contamination of streams and waterways.
- 6.3. Cleaning empty bags/boxes: rinse with water and use as fertilizer

7. Handling and storage

- 7.1. Handling: no special precautions needed.
- 7.2. Storage: store in a cool, dry place. Keep away from chemicals. Keep in original package.

8. Exposure control / personal protection

- 8.1. Respiratory protection: not needed
- 8.2. Ventilation: not needed
- 8.3. Protective gloves: optional
- 8.4. Eye protection: optional

9. Physical and chemical properties

- 9.1. Appearance: dark brown to black liquid product
- 9.2. Odour: little odour due to liquid vinasse and seaweed
- 9.3. pH (concentrated): 5,5 - 6,0
pH (10 %-water solution): 6,0 - 7,0
- 9.4. Boiling point: n.a.
- 9.5. Melting point: n.a.
- 9.6. Evaporation rate: n.a.
- 9.7. Vapor pressure: n.a.
- 9.8. Specific gravity: 1210 g/l
- 9.13. Solubility:
- in water: 100 %

10. Stability and reactivity

- 10.1. Stability: stable under normal conservation conditions
- 10.2. Conditions to avoid: high (> 40 °C) and low (< 5 °C) temperatures
- 10.3. Incompatibility: strong acids; oxidizing molecules
- 10.4. Hazardous decomposition and by-products: heat and mixing with incompatible products can release NOx.

11. Toxicological information

- 11.1. Symptoms of exposure:
 - in case of eye contact: irritation
 - in case of skin contact: slight irritation in case of sensitive skin
 - in case of inhalation: not possible
 - in case of swallowing: nausea
- 11.2. Carcinogenic: n.a.
- 11.3. Toxicity:
 - Oral (LD-50 rat): n.a.
 - Dermal (LD-50 rabbit): n.a.
 - Inhalation (LC-50 4h): n.a.

12. Environmental information

- 12.1. Water toxicity: inducing growth of algae
- 12.2. Environmental effects: increases fertilizer content of soils
- 12.3. Decomposition: easily by micro-organisms
- 12.4. Bio-accumulation: none

13. Disposal consideration

Waste material should be dumped under condition which meet all federal, state and local environmental control regulations

14. Transportation Information

- 14.1. Product Identification Number (UN number): -
- 14.2. Truck ADR/RID: -
- 14.3. Cargo IMDG: -
- 14.4. Cargo IATA/ICAO: -

15. Legal information

- 15.1. Label: Liquid organic NK fertilizer

- Hazard symbol: none
- Ingredients: prime materials for fertilizer production
- Warnings in use: none

- 15.2. EINECS number: -

16. Other information

This information is given without warranty, express or implied, about product quality and product effects, except that it is accurate to the best knowledge of the E.Marker A/S company.

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