

**MATERIAL SAFETY DATA SHEET (MSDS) FOR TOPFERT NPK 4-3-3****1.IDENTIFICATION OF THE PRODUCT AND OF THE PRODUCER**

Product	TOPFERT NPK 4-3-3
Company details	Ferm-O-Feed B.V., De Peel 1, 5411 VD, Zeeland (Noord Brabant) The Netherlands
RVV approval number	NL 7185
Telephone	00-31(0)73-5431008
Fax	00-31(0)73-5498360

**2.COMPOSITION/INFORMATION ON INGREDIENTS**

Substance preparation

Information on hazardous ingredients: This product does not contain any hazardous ingredients in accordance to EU regulations or National regulations.

**3.HAZARDS IDENTIFICATION**

Most important hazards: No physical/chemical, environmental or human health hazards have been reported or known.

**4.FIRST AID MEASURES**

Effects and symptoms: No specific effects and/or symptoms have been reported or known.

**First aid measures**

Inhalation:	Remove victim to fresh air. Consult a doctor in the event of any complaints.
Ingestion:	Wash out mouth with water. Consult a doctor in the event of any complaints.
Skin contact:	Remove contaminated clothing. Wash off with water. Consult a doctor in the event of any complaints.
Eye contact:	Wash out with plenty of water for at least 10 minutes. After initial flushing, remove any contact lenses and continue flushing. Consult a doctor in the event of any complaints.
Protection of first aiders:	Avoid exposure. Use appropriate protection(see section 8).

**FERM O FEED B.V.**

P.O. box 12 • 5480 AA Schijndel • Visit: Hermalen 7, Schijndel, The Netherlands • [www.fermofeed.com](http://www.fermofeed.com)  
T. +31(0)73 5431008 • F. +31(0)73 5498360 • [sales@fermofeed.com](mailto:sales@fermofeed.com) • C.o.C. 's-Hertogenbosch 160.55257  
ING nr. 65.97.00.433 • IBAN: NL 96 INGB 0659 7004 33 • BIC: INGBNL2A • B.T.W. NL0090.29.9370.B.01

Version 110426

ISO 9001

ISO 14001

VCA \*\*

Control Union



## 5. FIRE FIGHTING MEASURES

Extinguishing media suitable:	All types of extinguishing agent permitted.
Special fire-fighting procedures:	Dike fire control water for later disposal.
Hazardous thermal decomposition products:	Burning may produce oxides or nitrogen and carbon monoxide.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	No specific personal protection equipment is required.
Environmental precautions:	Prevent dispersion.
Methods for cleaning up:	Collect spilled material in sealed containers.

## 7. HANDLING AND STORAGE

Handling:	Prevent formation or clouds of dust.
Storage:	No specific protective measures are required. Keep in cool, dry, well-ventilated place.
Suitable packaging materials:	keep in bags or containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures:	Local exhaust recommended.
Occupational exposure limits:	No occupational exposure limits have been established – The Netherlands.
Personal protective equipment:	No specific personal protection equipment is required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Granules, pellets
Colour:	Brownish
Odour:	Characteristic.
Decomposition temperature:	150-200°C
Solubility in water:	Soluble(suspension).

## 10. STABILITY AND REACTIVITY

Stability:	Stable for a long period under normal conditions.
Conditions to avoid:	Avoid contact with moisture, heat and combustible substances.
Hazardous reactions:	Not available.
Hazardous decomposition products:	Not known.

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## 11. TOXICOLOGICAL INFORMATION

No toxicological information is known to the product.

## 12. ECOLOGICAL INFORMATION

Persistence/degradability: The product is biodegradable.

## 13. DISPOSAL CONSIDERATIONS

Methods of disposal: Disposal according to local legislation.  
Waste residues: Keep waste separate. Because of possible pollution, remove as industrial waste or hazardous waste.  
Contaminated packaging: After appropriate cleaning, the packaging can be reused.

## 14. TRANSPORT INFORMATION

National transport regulations: Free from transport regulations  
transport regulations within EU: According EU 1774/2002  
International transport regulations outside EU: Free from transport regulations, delivered with RVV certificate under approval number NL7185.

## 15. REGULATORY INFORMATION

EU regulations & EU classification: This product does not contain any hazardous ingredients (67/548/EEC-88/379/EEC) in accordance with EU regulations (91/155/EEC).  
National regulation The Netherlands: MINAS regulations.

## 16. OTHER INFORMATION

The information contained in the 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 warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.



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