



Nitrofoska Foliar Olivo (14+4+28)

Version 1
Revision Date 07.05.2007

Print Date 07.05.2007

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : Nitrofoska Foliar Olivo (14+4+28)

Use of the Substance/Preparation : fertiliser

Company : COMPO GmbH & Co. KG
Gildenstraße 38
D-48157 Münster

Telephone : +49-0251/3277-0
Telefax : +49-0251/326225

Emergency telephone number : Central Safety & Environment
Telephone: +49-251-3277-0

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Mixture of nutrient salts based on various inorganic salts.
fertilizer contains:
potassium nitrate
Urea
phosphates
magnesium sulphate
trace elements

Hazardous components

Chemical Name	CAS-No.	EINECS-No.	Index-No.	Symbol(s)	R-phrase(s)	Concentration [%]
potassium nitrate	7757-79-1	231-818-8				>= 10,00 - <= 70,00

For the full text of the R phrases mentioned in this Section, see Section 16.

3. HAZARDS IDENTIFICATION

Risk advice to man and the environment

No particular dangers occur if the regulation/notes for storage and handling are observed.

4. FIRST AID MEASURES

General advice : Take off immediately all contaminated clothing.



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- | | | |
|--------------|---|--|
| Inhalation | : | Keep patient calm, remove to fresh air, seek medical attention. If danger of loss of consciousness, place patient in recovery position and transport accordingly. Apply artificial respiration if necessary. |
| Skin contact | : | Wash thoroughly with soap and water. |
| Eye contact | : | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| Ingestion | : | Rinse mouth immediately and then drink plenty of water, seek medical attention. |

5. FIRE-FIGHTING MEASURES

- | | | |
|---|---|---|
| Suitable extinguishing media | : | If product is involved in fire: water, water spray, dry extinguishing media. |
| Extinguishing media which must not be used for safety reasons | : | carbon dioxide (CO ₂)
foam
sand
ABC powder |
| Specific hazards during fire fighting | : | Can decompose at above 130 °C. Thermal decomposition products: Nitrogen monoxide, nitrogen dioxide, dinitrogen oxide, ammonia, chloride, hydrogen chloride. |
| Special protective equipment for fire-fighters | : | Wear a self-contained breathing apparatus. |
| Further information | : | Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |

6. ACCIDENTAL RELEASE MEASURES

- | | | |
|---------------------------|---|---|
| Environmental precautions | : | Do not empty into drains.
Retain and dispose of contaminated wash water. |
| Methods for cleaning up | : | Use mechanical handling equipment. |

7. HANDLING AND STORAGE

Handling

- | | | |
|---|---|--|
| Advice on safe handling | : | No special measures necessary if stored and handled as prescribed. |
| Advice on protection against fire and explosion | : | The product is incombustible. It can lower the ignition temperature of combustible substances. |

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Storage

Requirements for storage areas and containers : Keep away from heat.
Keep away from sources of ignition - No smoking.
Keep away from direct sunlight.
Keep away from combustible material.
Protect against contamination.
Protect against humidity (product is hygroscopic and tends to cake or disintegrate)

German storage class : 11

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Personal protective equipment**

Respiratory protection : Breathing apparatus only if aerosol or dust is formed.

Hygiene measures : At the end of the shift the skin should be cleaned and skin-care agents applied.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form : crystalline

Colour : various, depending on the colorant

Odour : almost odourless

Safety data

pH : approx.5
at 100 g/l (20 °C)

Bulk density : approx.1.200 kg/m³

Water solubility : mainly soluble

10. STABILITY AND REACTIVITY

Conditions to avoid : 130 degrees Celsius
Note: To avoid thermal decomposition, do not overheat.

Materials to avoid : substances with an acid reaction
alkaline reactive substances
organic compounds



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powdered metals
When mixed with ignitable substances, oxidizable substances:
Risk of explosion if heated under confinement.

Hazardous decomposition products : Nitrous gases (nitrogen oxides), ammonia.
Thermal decomposition : approx. 130 °C
To avoid thermal decomposition, do not overheat.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat
Dose: > 2.000 mg/kg

Skin irritation : rabbit
Result: non-irritant
Method: OECD Test Guideline 404

Eye irritation : rabbit
Result: non-irritant
Method: OECD Test Guideline 405

Further information : The product was not tested. The statement was derived from products of similar structure and composition.

Further information : Danger of methaemoglobin formation.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish : static test LC50
Species: Guppy
Dose: 1.378 mg/l
Exposure time: 96 h

aquatic invertebrates : static test EC50
Species: Daphnia
Dose: 490 mg/l
Exposure time: 48 h

Additional ecological information : Additional ecological information
Can be oxidized to nitrate, or be reduced to nitrogen, by microorganisms.
The product has not been tested. The information is derived from the properties of the individual components.
information on:
potassium nitrate



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13. DISPOSAL CONSIDERATIONS

- Product : Test for use in agriculture.
Contact manufacturer.
- Contaminated packaging : Contaminated packaging should be emptied as far as possible;
then it can be passed on for recycling after being thoroughly
cleaned.
- Waste key for the unused product : 02 01 09: Wastes of chemicals for the agriculture excepted of
those, which are listed under 02 01 08

14. TRANSPORT INFORMATION

Further Information

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

15. REGULATORY INFORMATION

Labelling according to EC Directives

The product does not require a hazard warning label in accordance with EC Directives.

National legislation

Water contaminating class : WGK 1 slightly water endangering
(Germany)

16. OTHER INFORMATION

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.