

# SAFETY DATA SHEET

according to EC Directive 2001/58/EC



Date of issue: 18.July 2002

revised on: 09.Jun. 2004

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**Trade name:** WUXAL® Top N

**Product No.:** 11818

## 1 Company

Manufacturer/Supplier:	AGLUKON Spezialdünger GmbH & Co. KG	Telephone:	+49 (0)211 5064-0
Address:	Heerdter Landstraße 199 40549 Düsseldorf, Germany	Telefax:	+49 (0)211 5064-247
Informing department:	Quality Control	Telephone:	+49 (0)211 5064-250

**Emergency telephone (D/Berlin): Telephone No.: +49 (0)30 19240 (Day and Night)**

## 2 Composition/Information on Ingredients

Preparation:	NPK-fertilizer solution 12-4-6 with micronutrient
Description:	Aqueous solution of nutrient salts.
Harmful components	None
Additional information:	The product is no hazardous preparation.

## 3 Hazards Identification

Hazards designation:	None No hazardous product as specified in Directive 67/548/EEC.
Particular hazards (R-phrases):	None
Harmful effects/symptoms:	Unknown

## 4 First-Aid Measures

General hints:	Remove soiled clothes.
after skin contact:	Immediately wash affected skin regions thoroughly with soap and plenty of water. Summon doctor if necessary.
after eyes contact:	Thoroughly rinse eyes with lids wide apart under running water (protect the uninjured eye, remove contact lenses). Summon eye specialist if necessary.
after ingestion:	Immediately rinse the mouth with water, then drink a lot of water. Summon doctor if necessary.

## 5 Fire-Fighting Measures

Suitable extinguishing media:	Water
Unsuitable extinguishing media:	Unknown
Specific hazards:	The material itself is hardly inflammable. If larger quantities of the product are on fire, the formation of nitrous gases and ammonia is possible.
Special equipment to protect firefighters:	If larger quantities of the product are on fire wear chemical protecting clothes and breathing apparatus not depending on recirculated air.

## 6 Accidental Release Measures

Personal precautions:	Remove soiled clothes.
Environmental precautions:	Ensure that the product does not reach the ground-water, water bodies or the drainage system.
Methods for cleaning up/taking up:	Take up with absorption media;. Disposal of contaminated material as waste according to section 13.
Additional hints:	

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## 7 Handling and Storage

### Handling

Advice as to safe handling: Wear suitable protecting clothes.

Advice to prevent fire and explosion: No further requirements.

### Storage

Stockrooms and containers required: Protect the product from impurity and drying up. Keep containers densely closed. Do not store in metal containers (corrosion risk).

Storage together with other materials:

Do not store together with food and luxury food, beverage and feed.

Storage class

12 Liquid product with no fire risk.

(National regulation, Germany: VCI-concept)

VbF class:

None

(National regulation, Germany)

Further information on storage conditions:

Do not store below -5°C and above +40°C.

## 8 Exposure Controls/Personal Protection

### Personal protective equipment

Respiratory protection: Not required

Hand protection: Rubber or plastic gloves

Eye protection: Safety goggles

Skin and body protection: Closed working clothes

Preventive and hygiene measures: Do not eat and drink at work. Remove immediately soiled and soaked clothes. Wash hands and face after work.

## 9 Physical and Chemical Properties

### Appearance

Form/physical state: Aqueous liquid

Colour: Green

Odour: Product-specific

### Data relevant to safety

### Method:

pH (original state): Approx. 7

pH at 16 g/l H<sub>2</sub>O and 20° C: Approx. 7

Change in physical state: > 100° C evaporation of water

Boiling point/-range: Not determined °C

Melting point/-range: Not determined °C

Flash point: Not applicable °C

Inflammability: Not determined

Ignition temperature: Not determined °C

Self-ignition: The product is not spontaneously inflammable.

Fire-promotive properties: The product is not fire-promotive.

Explosion hazard: The product is harmless as a solution.

Vapor pressure (at °C): Not determined hPa

Density (at 20°C): approx. 1,2 g/cm<sup>3</sup>

Solubility in water (at 20°C): To a very high degree mg/l

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## 10 Stability and Reactivity

Conditions to avoid: Temperatures above +40° C. Keep the product from drying up.  
Materials to avoid: Alkalis  
Hazardous decomposition products: Reacts with alkalis setting ammonia free.  
Thermic decomposition products: Nitrous gases and ammonia.  
Further information: No decomposition if correctly used. The product is stable under normal conditions.

## 11 Toxicological Information

General remarks: Toxicological data are not available.  
Toxicological effects are unknown.  
Property that must be anticipated on the basis with comparable preparations:  
LD50 (oral, rat): >10.000 mg/kg  
Further toxicological information: The following applies to ammonium salts in general: after swallowing:  
local irritation symptoms, nausea, vomiting, diarrhoea.  
After uptake of large quantities:  
diarrhoea, disturbed electrolyte balance.  
Further data: The product should be handled with the care usual when dealing with chemicals.

## 12 Ecological Information

General information: Fertilizer material.  
Ensure that the product does not reach the ground-water, water bodies or the drainage system.  
Further ecologic data: Depending on the concentration, phosphorus and/or nitrogen compounds may contribute to the eutrophication of drinking- water supplies.  
No ecological problems are to be expected when the product is handled and used with due care and attention.  
Water hazard class: WGK 1 - slightly water hazardous (self-classification)

## 13 Disposal Considerations

### Product

Recommendation: Disposal of product rests in accordance with the official local disposal regulations.

According to european waste regulations:

Waste Code (EWC-No.): 061000

Waste Name:

Wastes from the manufacture, formulation, supply and use of nitrogen chemicals, nitrogen chemical processes and fertilizer manufacture.

### Contaminated packaging

Recommendation: Disposal of contaminated packages in accordance with the local official disposal regulations.

Cleaners: Water

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## 14 Transport Information

Surface transport: No hazardous good.  
Inland navigation transport: No hazardous good.  
Sea navigation transport: No hazardous good.  
Air transport: No hazardous good.  
Further information: Mailable

## 15 Regulatory Information

### *Labelling according to EC Directives*

Danger symbol and designation: None  
R-phrases: None  
S-phrases: None

### *National regulations Germany*

Employment limitations: None  
Interference regulations: None  
Classification according to VbF: None  
Technical Regulations Air: None  
Water hazard class: WGK 1 - slightly water hazardous (self-classification)  
Further regulations, limitations and prohibition regulations: None

## 16 Other information

### *Reason for alteration*

General update

### *Further information:*

Data sheet writing department: Quality Control  
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*The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.*