

SAFETY DATA SHEET

According to 93/112/EEC



Supersedes edition of: 18.07.2002

Date of issue: 16.02.2010

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Trade name: WUXAL® Top P

Product No.: 11825

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.: (030) 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

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.

after eyes contact: Thoroughly rinse eyes with lids wide apart under running water (protect the uninjured eye, remove contact lenses).

after ingestion: Immediately rinse the mouth with water, then drink a lot of water.

5 Fire-Fighting Measures

Suitable extinguishing media: Water

Unsuitable extinguishing media: Unknown

Specific hazards: Non-combustible. Ambient fire may liberate hazardous vapours. The following may develop in event of fire: phosphorus oxides, nitrogen oxides.

Special equipment to protect firefighters: Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

Other information: Contain escaping vapours with water. Prevent fire-fighting water from entering surface water or groundwater.

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: see chapter 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)
in package with no fire risk.

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. 6

pH at 10 g/l H₂O and 20° C: Approx. 6,5

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. 1,3 g/cm³

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: In event of fire: see chapter 5.
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:
gastrointestinal complaints, drop in blood pressure, 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.): 161002

Waste Name: Waste from 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
Contact persons: Hans-Paul Klepzig Telephone: +49 (0)211 5064-250
Dr. Bernhard Kloth +49 (0)211 5064-262

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.