

Trade name:	WUXAL[®] Manganese
Product No:	22279

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

2 Composition/Information on Ingredients

Preparation:	Manganese-Suspension fertilizer with 6% Mn and 5%N
Description:	Aqueous crystal suspension of nutrient salts
Harmful components:	None
Additional information:	

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:	Formation of nitrous gases and ammonia possible.
Special equipment to protect firefighters:	Chemical protecting clothes and respirator.

6 Accidental Release Measures

Personal precautions:	Remove soiled clothes.
Environmental precautions:	Dilute with plenty of water. 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.
Additional hints:	

7 Handling and Storage

7.1 Handling	
Advice as to safe handling:	Wear suitable protecting clothes.
Advice to prevent fire and explosion:	Product with no fire risk.

Trade name:	WUXAL[®] Manganese
Product No:	22279

7.2 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. Keep out of reach of children.	
Further information on storage conditions:	Do not store below 0°C and above +30 °C.	
Storage class	12 Liquid product with no fire risk in package with no fire risk.	(national regulation, Germany: <u>VCI-concept</u>)
VbF class:	None	(national regulation, Germany)

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

9.1 Appearance		
Form/physical state:	Suspension of low viscosity	
Colour:	Green	
Odour:	Product-specific	
9.2 Data relevant to safety		Method:
pH (original state):	Approx. 6,5	
pH at 10 g/l H₂O and 20° C:	Approx. 7,5	
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 applicable	
Ignition temperature:	Not applicable	°C
Self-ignition:	The product is not spontaneously inflammable.	
Fire-promotive properties:	The product is not fire-promotive.	
Explosion hazard:	The product has no explosion hazardous properties.	
Vapor pressure (at °C):	Not determined	hPa
Density (at 20°C):	1,45	g/cm³
Solubility in water (at 20°C):	Approx. 200	g/l
9.3 Further information:		

10 Stability and Reactivity

Conditions to avoid:	Temperatures above +30° 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.

Trade name:	WUXAL[®] Manganese
Product No:	22279

11 Toxicological Information

General remarks: Toxicological data are not available.
Toxicological effects are unknown.

12 Ecological Information

General information: Fertilizer material.
Ensure that the product does not reach the ground-water, water bodies or the drainage system.
Water hazard class 1: - slightly water hazardous. (self-classification)

13 Disposal Considerations

13.1 Product:	Fertilizer
Recommendation:	Disposal of product rests in accordance with the local official disposal regulations.
<u>Waste Code (EWC-No.)</u>	<u>Waste Name</u>
061001	Waste from nitrogen chemical processes and fertilizer manufacture
13.2 Contaminated packaging	
Recommendation:	Disposal of contaminated packages in accordance with the local official disposal regulations.
Cleaners:	Water

14 Transport Information

14.1 Surface transport:	No hazardous goods
14.2 Inland navigation transport:	No hazardous goods
14.3 Sea navigation transport:	No hazardous goods
14.4 Air transport:	No hazardous goods
14.5 Further information:	Mailable

15 Regulatory Information

15.1 Labelling	None
	By virtue of the data available, the product is no hazardous preparation in the sense of the Chemical Law and the Hazardous Materials Regulation. No labelling duty according to the Hazardous Materials Regulation.
Danger symbol and designation:	None
Particular labelling of certain preparations:	None
15.2 National regulations	
Employment limitations:	None
Interference regulations:	None
Classification according to VbF:	None
German Technical Regulations	
Air:	None
Water hazard class:	WGK 1 - slightly water hazardous (self-classification)
Further regulations, limitations and prohibition regulations:	None

16 Other information

Further information

EG-SAFETY DATA SHEET according to 93/112/EG

Page: 4 of 3

Date: Nov. 16. 1995
revised on: Feb. 16, 2010

Trade name:	WUXAL[®] Manganese
Product No:	22279

Data sheet writing department:	Quality Control	Telephone:	+49 (211) 5064-250
Contact persons:	Hans-Paul Klepzig Dr. Bernhard Kloth		+49 (211) 5064-262

This information is provided in good faith but without express or implied warranty.
