

Safety data sheet
According to (EG) No. 1907/2006 (REACH)
Trade name: acceloHUMICS



Revision date 01/03/2023

1. IDENTIFICATION OF SUBSTANCE

Trade name:	acceloHUMICS
Manufacturer Supplier:	K+S Minerals and Agriculture GmbH Bertha-von-Suttner-Straße 7 34131 Kassel, Germany Tel: +49 561 9301 0 info@k-plus-s.com www.K+S.com
Information:	See section 16 Distributed via: K plus S Middle East FZE DMCC Office 410 - Indigo Tower Cluster D Jumeirah Lake Towers, Dubai, UAE - PO Box 337465 Tel: +971 4 881 4720 Email: fertilisermana@k-plus-s.com A K+S Company

2. HAZARD IDENTIFICATION

Classification according to (EG) No. 1272/2008, annex VII, regulation 67/548/EWG or regulation 1999/45/EG:

The substance is not classified as dangerous to health and environment. It can cause eye, skin or respiratory tract irritation at sensitive persons.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substance:

Potassium salts of Humic acids
CAS-Nr.: 68514-28-3
EINECS-Nr.: 271-030-1

3.2 Mixtures:

No mixture.

Safety data sheet
According to (EG) No. 1907/2006 (REACH)
Trade name: acceloHUMICS



Revision date 01/03/2023

4. FIRST AID MEASURES

4.1 Description of first aid measures

General information:	In case irritation or health complaints, consult a doctor and provide the information of this MSDS.
After eye contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
After skin contact:	Instantly wash with water and soap and rinse thoroughly. If symptoms persist, consult doctor.
After inhalation:	Provide fresh air. If symptoms persist, consult doctor.
After swallowing:	Rinse out mouth and then drink plenty of water. In case of persistent symptoms consult doctor.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing agents:

Water, foam, extinguishing powder, CO₂

Improper extinguishing agents:

None

5.2 Special hazards caused by the material, its products of combustion or resulting gases:

Can be released in case of fire: CO, CO₂

5.3 General information for fire-fighters:

The product is not flammable. Combustion residues and contaminated fire water are to be disposed according to local regulations. Avoid skin contact by wearing protective clothing and keeping a safety distance.

Safety data sheet
According to (EG) No. 1907/2006 (REACH)
Trade name: acceloHUMICS



Revision date 01/03/2023

6. ACCIDENTIAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Protective gloves and safety glasses to avoid skin and eye contact.

6.2 Environmental precaution:

Avoid entering of drainage system, surface or groundwater with concentrated product.

6.3 Methods and material for containment and cleaning-up:

Isolate product and collect it in suited containers. Dilute residues and dispose them via drainage system.

6.4 Reference to section:

Please note safety measures under section 7 and 8.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Do not leave containers open.

Observe minimum standards according to TRGS 5001. To these belong common hygiene measures like:

- not to eat, drink and smoke in working areas
- to wash hands after handling of the product
- to take off contaminated clothing and protective equipment before entering break rooms.

7.2 References to measures regarding fire and explosion control:

No special measures required.

7.3 Conditions for safe storage:

Store in cool, dry conditions in well-sealed containers in suited storage rooms.

Requirements for storerooms and containers:

Do not store together with feeding or food stuffs.

Storage class:

13

Safety data sheet
According to (EG) No. 1907/2006 (REACH)
Trade name: acceloHUMICS



Revision date 01/03/2023

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Parameters to be monitored:

None

8.2 Personal protective equipment

Breathing protection:

Not required if room is well-ventilated. Wear respirator in case of dust formation.

Eye protection:

Safety glasses

Hand protection:

Safety gloves

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state:	Solid, water-soluble granules
Colour:	Black-brown
Odour:	Imperceptible
pH-value	9 – 11 (10% solution in water)
Boiling point/ range:	Not determinable
Melting/ freezing point:	Not determinable
Flash point:	None applicable
Relative auto-ignition temperature:	Not determinable
Explosive features:	Not explosive
Water solubility:	Soluble in water (> 200 g/L)
Bulk density:	0.5 – 0.6 g/cm ³

Safety data sheet
According to (EG) No. 1907/2006 (REACH)
Trade name: acceloHUMICS



Revision date 01/03/2023

10. STABILITY AND REACTIVITY

10.1 Reactivity:

Slight reactivity

10.2 Chemical stability:

The product is stable under normal usage and storage conditions.

10.3 Possibly dangerous reactions:

No dangerous reactions to be expected if used according to specifications.

10.4 Conditions to be avoided:

Contact with strong oxidants.

10.5 Incompatible materials:

Strong oxidants.

10.6 Hazardous decomposition products:

CO, CO₂ in case of fire.

11. TOXICOLOGICAL INFORMATION

The product can cause eye, skin or respiratory irritation at sensitive persons.

Acute toxicity:

Acute oral toxicity (acc. EU B.1):

LD₅₀ > 2000 mg/kg (rat)

Acute dermal toxicity (acc. EU B.3):

LD₅₀ > 2000 mg/kg (rat)

Skin irritation (acc. EU B.4):

No irritable effect on skin (rabbit)

Eye irritation (acc. EU B.5):

No irritable effect on eyes (rabbit)

Sensitization (acc. EU B.42):

Can have sensitizing effects.

Toxicity after repeated doses: (acc. EU B.7):

28-day oral test (rat): NOAEL
(No observed adverse effect level)
500 mg/kg/day

Carcinogenicity:

No data available.

Mutagenity (acc. EU B.12/13/14; OECD 473):

In vitro: ames test negative
Chromosomal aberration test negative

Reproduction toxicity:

In vivo: micronucleus test negative

No data available

Further references:

None



12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity

Acute toxicity for fish (*Poecilia reticulata*) acc. EU C.1

24 hours – LC ₅₀ > 128 mg/L	24 hours – NOEC = 128 mg/L
48 hours – LC ₅₀ > 128 mg/L	48 hours – NOEC = 128 mg/L
72 hours – LC ₅₀ > 128 mg/L	72 hours – NOEC = 128 mg/L
96 hours – LC ₅₀ > 128 mg/L	96 hours – NOEC = 128 mg/L

Acute toxicity for dafnie (*Daphnia magna*) acc. EU C.2

24 hours – LC ₅₀ > 116 mg/L	24 hours – NOEC = 116 mg/L
48 hours – LC ₅₀ > 116 mg/L	48 hours – NOEC = 116 mg/L

Alga growth inhibition: No data available

**Act. sludge respiration inhibition
(acc. EU C.11):** EC₅₀ > 1000 mg/L

**Persistence and decomposition
(acc. EU C.4-E and EU C.7):** The substance is not easily degradable biologically. 2% decomposition within 28 days. Abiotic decomposition- Hydrolysis as a function: under pH 4.7 and 9 (25 °C) is the decomposition half time longer than 1 year.

Mobility in the soil: High amounts of the product can pollute ground and surface water. Therefore, it is necessary to take care of accurate handling to avoid the leakage of the concentration product into ground and surface water.

PBT and vPvB assessment results: No data available.
Other adverse effects: No data available.

Safety data sheet
According to (EG) No. 1907/2006 (REACH)
Trade name: acceloHUMICS



Revision date 01/03/2023

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment:

No dangerous waste. Avoid dust formation. Product has to be disposed according to official local regulations. Agree exact waste code with waste disposal contractor.

Waste code:

No data available.

13.2 Packaging:

Dispose polluted and cleaned packaging to official local regulations.

14. TRANSPORT INFORMATION

14.1 UN number:

No dangerous good.

Methodical UN transport labelling:

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: No dangerous good

14.2 Transport dangerous goods classes:

No data available.

14.3 Packaging group:

No data available.

14.4 Environmental perils:

ADR/RID / IMDG-Code/ICAO-TI/IATA-DGR: no

14.5 Special notes for users:

See sections 6-8.

15. REGULATORY INFORMATION

15.1 Regulations for safety, sanitary and environmental protection/specific laws for the substance or the mixture:

15.1.1 EU directives:

Directive (EG) No. 2037/2000, directive (EG) No. 850/2004, directive (EG) No. 689/2008 and directive (EG) No. 648/2004: Not applicable

Limitations according to section VIII of the directive (EG) 1907/2006: None

Safety data sheet
According to (EG) No. 1907/2006 (REACH)
Trade name: acceloHUMICS



Revision date 01/03/2023

15.1.2. National directives:

Water hazard class:

WGK0: In general, not hazardous to waters (self-rating).

15.2 Substance safety assessment:

The substance has not been safety assessed.

16. OTHER INFORMATION

16.1 Bibliographical references and data origins:

Directives:

Preparations directive (1999/45/EG) as last amended by Commission Directive (EG) No. 1907/2006.

Substance Directive (67/548/EWG), as last amended by Commission Directive 2009/2/EG. REACH Directive (EG) No. 1907/2006, as last amended by Commission Directive (EU) Nr. 453/2010.

Directive (EG) No. 1272/2008, as last amended by Commission Directive (EG) No. 790/2009.

16.2 Hazard notes referred to in section 2 and 3:

According to Directive (EG) No. 1272/2008:

None

According to Directive 67/548/EWG:

Based on available data the product is not a dangerous preparation as defined by the Chemicals Act and the Hazard Substance Directive. No specific labelling requirements according to the Hazard Substance Directive.

Methods according to item 9 of Directive (EG) No. 1272/2008 for the assessment of information for the purpose of classification:

None

This data is based on our present knowledge. It can neither be regarded as a product quality guarantee nor as a basis of a contractual legal relationship.

16.3 Data sheet issuing sector:

Product safety department

K plus S Middle East FZE DMCC
Office 410 - Indigo Tower
Cluster D Jumeirah Lake Towers,
Dubai, UAE - PO Box 337465
Tel: +971 4 881 4720
Email: fertilisermana@k-plus-s.com
A K+S Company

K+S Minerals and Agriculture GmbH
Bertha-von-Suttner-Straße 7 34131
Kassel, Germany
Tel: +49 561 9301 0
info@k-plus-s.com
www.K+S.com