

SAFETY DATA SHEET
According to (EG) No. 1907/2006 (REACH)



Trade Name: HUMAGRA LIQUID

Printing date 17/05/2021

Reviewed on 20/01/2020

1. IDENTIFICATION OF SUBSTANCE

- **Product details**
- **Trade name:** HUMAGRA LIQUID
- **Application of the substance / the preparation:** Intermediate
- **Manufacturer/Supplier:**
Humintech GmbH
Am Pösenberg 9-13
41517 Grevenbroich / Germany
www.humintech.com
info@humintech.com
Tel: +49 2181 70 676 0
Fax: +49 2181 70 676 22
- **Information:** see: Section 16 (Contact)
- **Emergency information:** see: Manufacturer/Supplier

2. HAZARDS 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/ DATA ON INGREDIENTS

- **Chemical characterization:** Potassium salt of humic acids
Urea
- **Chemical state:** Liquid
- **CAS No. Designation:** 68514-28-3 / 57-13-6
- **Identification number(s):**
- **EINECS number:** 271-030-1 / 200-315-5

• **Dangerous components:**

CAS: 1310-58-2	Potassium hydroxide	C ; R 35	< 2%
EINECS : 215-181-3			

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4. FIRST AID MEASURES

- **General information:**
No special measures required.
- **After inhalation:**
Seek medical treatment in case of complaints.
- **After skin contact:**
Instantly wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. 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

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Special hazards caused by the material, its products of combustion or resulting gases:**
Can be released in case of fire. Carbon monoxide (CO).
- **Protective equipment:**
Put on breathing apparatus. Wear full protective suit.

6. ACCIDENTAL RELEASE MEASURES

- **Person-related safety precautions:**
Ensure adequate ventilation. Avoid causing dust.
- **Measures for environmental protection.**
Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/ collecting:**
Collect mechanically.

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7. HANDLING AND STORAGE

• **Handling**

- **Information for safe handling:**

Ensure good ventilation/ exhaustion at the workplace.

- **Information about protection against explosions and fires:**

Keep ignition sources away – Do not smoke.

• **Storage**

- **Requirements to be met by storerooms and containers:**

No special requirements.

- **Information about storage in one common storage facility:**

Not required.

- **Further information about storage conditions:**

Store in cool, dry conditions in well sealed containers.

- **Storage class:**

11 (inflammable solids)

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

• **Additional information about design of technical systems:**

No further data; see item 7.

• **Components with limit values that require monitoring at the workplace:**

1310-58-3 Potassium hydroxide

OEL	2 mg/m ³
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• **Personal protective equipment**

• **General protective and hygienic measures:**

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

• **Breathing equipment:**

Not necessary if room is well-ventilated.

• **Protection of hands:**

Protective gloves.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION (continued)

- **Material of gloves:**
Synthetic gloves
- **Penetration time of glove material:**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
Safety glasses

9. PHYSICAL AND CHEMICAL PROPERTIES

- **General information:**

Form:	Dispersion
Colour:	Dark brown
Odour:	Not distinguishable
- **pH-value (10 g/l) at 20°C:** 9.0 – 10.0 (ISO 8975)
- **Change in physical state:** above 250°C destroyed to CO₂, H₂O and soot

Melting point/ Melting range:	Not determined
Boiling point/ Boiling range:	Not applicable
- **Flash point:** 300°C
- **Inflammability:** Product is not inflammable.
- **Danger of explosion:**
- **Ignition temperature:**
- **Decomposition temperature:** > 100°C (DIN 53171)
- **Density at 20°C:** 1.17 g/cm³ (ISO 2811)
- **Solubility in water at 20°C:** approx. 200 g/l
- **Solubility in other solvents:** not determined

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10. STABILITY AND REACTIVITY

- **Thermal decomposition/ Conditions to be avoided:**
No decomposition if used according to specifications.
Avoid mixing with acidic materials - this ruins product.
- **Dangerous reactions:**
No dangerous reactions known.
- **Dangerous products of decomposition:**
No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

- **Acute toxicity:**
LD50/ Oral/ rat: mg/kg 8471 mg/kg (Urea)

It can cause eye, skin or respiratory tract irritation at sensitive persons.

12. ECOLOGICAL INFORMATION

- **General notes:**
Do not allow product to reach underground or surface water or sewage system.
- **Behavior and environmental fate:**
Spontaneous coupling by biochemical reaction in soil.

13. DISPOSAL CONSIDERATIONS

- **Recommendation**
Remove according to local authority recommendations, e.g. convey to a suitable incinerator. Can be deposited with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.
- **European waste catalogue**
The waste code classification is to be carried out according to the European Waste Catalogue (EWC) specifically for each branch of industry and each type of process.
- **Uncleaned packaging:**
Recommendation:
Disposal must be made according to official regulations.

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14. TRANSPORT INFORMATION

- Land transport ADR/ RID a GGVS/ GGVE
- ADR/ RID: is not a dangerous matter
- GGVS/ GGVE: is not a dangerous matter
- Inland waterway transport (AND/ ADR): is not a dangerous matter
- AND/ ADR: is not a dangerous matter

15. REGULATORY INFORMATION

- **Designation according to EC guidelines:**
The product has been classified and labelled in accordance with EC Directives/ Ordinance on Hazardous Materials (GefStoffV)
- **Precautionary statements:**
P262 Do not get in eyes, on skin, or on clothing.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P330 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P302 + P352 IF ON SKIN: Wash with plenty of water
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P306 + P360 IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P404 Store in a closed container.

16. OTHER INFORMATION

This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

16. OTHER INFORMATION (continued)

- **Department issuing data specification sheet:**
Product Safety Department
- **Contact:**
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