

Version No:

Supersedes:

# HUMIC ACID LIQUID – Safety Data Sheet

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Humic Acid Liquid

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

For use as a horticulture/amenity bio-stimulant

### 1.3. Details of the supplier of the safety data sheet

Fielder (UK) Ltd  
The Paddocks  
Longden  
Shrewsbury  
SY5 8EX

Contact the Safety Officer  
Telephone: + 44 (0) 01743 860924  
Email: fielderag@farming.co.uk

### 1.4. Emergency telephone number

For urgent medical help or advice, contact the NHS by calling 111.

For product-related advice, call + 44 (0) 01743 860924; 07774418047

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008:

Skin Irrit. 2; H315: Causes skin irritation

Eye Irrit. 2; H319: Causes serious eye irritation

## 2.2. Label elements

Label elements in accordance with Regulation (EC) No 1272/2008:

### Hazard pictogram:

GHS07



### Signal word:

Warning

### Hazard statements:

H315: Causes skin irritation

H319: Causes serious eye irritation

### Precautionary statements:

P280: Wear protective gloves/eye protection.

P305 + P351: P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice/attention.

P302 + P352: IF ON SKIN: Wash with plenty of water.

P332 + P313: If skin irritation occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

## 2.3. Other hazards

This product does not meet the criteria for PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Component	CAS/EC Number	Annex Index	Classification in accordance with Regulation (EC) No 1272/2008	Concentration (%)
Potassium hydroxide	1310-58-3 215-181-3	-	Met. Corr. 1; H290 Acute Tox. 4; H302 Skin Corr. 1A; H314 Eye Dam. 1; H318	1-5

Please refer to section 16 for full text of hazard phrases if not displayed in section 2 or 3.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation:** Remove from source of exposure to fresh air. Seek medical attention if symptoms persist or develop.

**Skin contact:** Drench immediately with water. Remove any contaminated clothing and launder before re-use. Seek medical attention if symptoms persist or develop.

**Eye contact:** Irrigate with copious amounts of clean water for at least 10 minutes. Remove contact lenses, if present and easy to do. Seek medical attention if symptoms persist or develop.

**Ingestion:** Wash out mouth with water and give water to drink. Do not induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention if feeling unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Irritation to eyes and skin. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.

### 4.3. Indication of any immediate medical attention and special treatment needed

None specified.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Water spray, foam, dry powder or carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

Toxic gases or vapours.

### 5.3. Advice for firefighters

In the event of fire, wear positive-pressure self-contained breathing apparatus. Fire-fighters must wear fire resistant personal protective equipment. Containers close to fire should be removed or cooled with water. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Prevent contact with skin and eyes. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage. Ensure adequate ventilation.

## **6.2. Environmental precautions**

Do not discharge into drains or watercourses or onto the ground. If product enters watercourse in large quantities, contact the Environment Agency.

## **6.3. Methods and material for containment and cleaning up**

Keep combustible materials away from spillage. Eliminate all sources of ignition. Provide adequate ventilation. Contain and absorb spillage with sand, earth or other non-combustible material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Wash thoroughly after dealing with a spillage.

## **6.4. Reference to other sections**

See section 8 for personal protection.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Avoid contact with skin and eyes. Wear appropriate personal protective equipment. Wash hands thoroughly after use. Do not eat, drink or smoke while using this product. Launder contaminated clothing before reuse.

### **7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

### **7.3. Specific end use(s)**

Read label before use.

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

POTASSIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15 minute): WEL 2mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

### **8.2. Exposure controls**

**Engineering Measures:** Ensure adequate ventilation. Ensure eye wash stations are available.

**Respiratory Equipment:** No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

**Hand Protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

**Eye Protection:** Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

**Skin Protection:** Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

**Hygiene Measures:** Wash hands thoroughly after use. Do not eat, drink or smoke while using this product. Launder contaminated clothing before reuse.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance: Dark brown liquid

Odour: Information not available

Odour threshold: Information not available

pH (concentrated solution): ~10

Melting point/freezing point: Information not available

Initial boiling point and boiling range: Information not available

Flash point: Not applicable – product not classified as flammable

Evaporation rate: Information not available

Flammability: Not classified as flammable

Upper/lower flammability or explosive limits: Not applicable – product not classified as flammable or explosive

Vapour pressure: Information not available

Vapour density: Information not available

Relative density: Information not available

Solubility: Soluble in water

Partition coefficient: Information not available

Auto-ignition temperature: Information not available

Decomposition temperature: Information not available

Viscosity: Information not available

Explosive properties: Product not classified as explosive

Oxidising properties: Product not classified as oxidising

Specific gravity: Information not available

### 9.2. Other information

None specified.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Information not available.

## 10.2. Chemical stability

Stable under normal ambient conditions.

## 10.3. Possibility of hazardous reactions

Will not polymerise.

## 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

## 10.5. Incompatible materials

Strong oxidising agents, strong acids, strong alkalis.

## 10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity:	ATE oral (mg/kg) 19,028.57142857
Skin corrosion/irritation:	Irritating to skin
Serious eye damage/irritation:	Irritating to eyes
Respiratory or skin sensitisation:	Product is not classified for respiratory or skin sensitisation
Germ cell mutagenicity:	No information specified.
Carcinogenicity:	No information specified.
Reproductive toxicity:	No information specified.
STOT-single exposure:	No information specified.
STOT-repeated exposure:	No information specified.
Aspiration hazard:	No information specified.

## SECTION 12: Ecological information

### 12.1. Toxicity

This mixture is not classified as harmful to the environment.

### 12.2. Persistence and degradability

The product is expected to be biodegradable.

### 12.3. Bioaccumulative potential

The product is not bioaccumulating.

#### **12.4. Mobility in soil**

The product is soluble in water.

#### **12.5. Results of PBT and vPvB assessment**

The substance is not PBT or vPvB.

#### **12.6. Other adverse effects**

None specified.

### **SECTION 13: Disposal considerations**

#### **13.1. Waste treatment methods**

Dispose of waste product via specialist waste contractor in accordance with local regulations.

### **SECTION 14: Transport information**

#### **14.1. UN number**

Product is unclassified for transport.

#### **14.2. UN proper shipping name**

Product is unclassified for transport.

#### **14.3. Transport hazard class(es)**

Product is unclassified for transport.

#### **14.4. Packing group**

Product is unclassified for transport.

#### **14.5. Environmental hazards**

Product is not considered harmful to the environment.

#### **14.6. Special precautions for user**

Information not available.

#### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Applicable for Maritime bulk transport only. Check with carrier.

## **SECTION 15: Regulatory information**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This product is classified and labelled in accordance with Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

### **15.2. Chemical safety assessment**

Chemical safety assessment not undertaken for this product.

## **SECTION 16: Other information**

Full text of hazard statements not displayed in section 2 or 3:

H290: May be corrosive to metals

H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage

H318: Causes serious eye damage

This Safety data sheet is compiled using data submitted for raw materials and practical experience. This product is intended for professional users only.

This Safety Data Sheet is prepared in compliance with Regulation 1272/2008 and Annex I of the REACH regulation as amended by Regulation 453/2010.

THE INFORMATION GIVEN HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT AND IS PRESENTED IN GOOD FAITH BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS GIVEN.