

# MATERIAL SAFETY DATA SHEET

According to (EG) No. 1907/2006 (REACH)



Trade Name: FULVAGRA® Liquid 25

Printing date 12/06/2025

Reviewed on 23/09/2024

## 1. IDENTIFICATION OF SUBSTANCE/ MIXTURE AND THE COMPANY/UNDERTAKING

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### 1.1 Product details

<b>Product form:</b>	Substance
<b>Trade name:</b>	FULVAGRA® Liquid 25
<b>Type of Product:</b>	Organic soil improver
<b>REACH No.:</b>	A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline

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

<b>Identified uses:</b>	Professional use in Agriculture
<b>Uses advised against:</b>	No additional information available

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

<b>Manufacturer/ Supplier:</b>	Humintech GmbH Am Pösenberg 9-13 41517 Grevenbroich Tel.: +49 2181 70 676 0 Fax: +49 2181 70 676 22
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[www.humintech.com](http://www.humintech.com)

[info@humintech.com](mailto:info@humintech.com)

### 1.4 Emergency telephone number

<b>Emergency telephone number:</b>	Bonn: Informationszentrale gegen Vergiftungen Emergency number: 0228 192 40
<b>Availability:</b>	24 hours

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## 2. HAZARDS IDENTIFICATION

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### 2.1 Classification of the substance or mixture according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]:

Skin Irrit. 2, H315  
Eye Irrit. 2A, H319

### 2.2 Labelling according to Regulation (EC) No. 1272/2008 [CLP/GHS]:

Hazard pictograms:



Signal word: Warning

#### Hazard statements:

H315 Causes skin irritation  
H319 Causes serious eye irritation

#### Precautionary statements:

P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
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.  
P337+P313 IF eye irritation persists: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.

### 2.3 Other hazards

PBT and vPvB not applicable: None  
Other hazards which do not result in classification: None

## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

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### 3.1 Substance

**Chemical identity:** Liquid fulvic acid filtrated from drinking water

**C&L inventory:** 3,7,8-trihydroxy-3-methyl-10-oxo-1,3,4,10-tetrahydropyrano[4,3-b]chromene-9-carboxylic acid

**EINECS No.:** 610-395-7

**REACH No.:** --

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CAS No.:

479-66-3

## Additional information:

This product does not contain further substances fulfilling the criteria of hazard class "acute toxicity" according to CLP regulation.

### 3.2 Mixtures

Not applicable

## 4. FIRST AID MEASURES

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### 4.1 Description of first aid measures:

#### After inhalation:

Remove to fresh air. Get medical attention if symptoms persist.

#### After skin contact:

Wash with plenty of soap and water. Get medical attention if symptoms persist.

#### After eye contact:

Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue to rinse for at least 10 minutes. Get medical attention if symptoms persist.

#### After swallowing:

Wash out mouth with water and seek medical advice.

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

Irritating to the eyes and skin.

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

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. No specific treatment.

## 5. FIRE FIGHTING MEASURES

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### 5.1 Extinguishing media:

#### Suitable media:

Use water spray, dry chemical, carbon dioxide, or appropriate foam.

#### Unsuitable media:

None

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

Conditions of flammability; The product is not flammable.

### 5.3 Advice for firefighters

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General advice: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion.

The product is not flammable. Dispose of fire residues and contaminated firefighting water in accordance with official regulations. Avoid skin contact by wearing protective clothing and keeping a safety distance. Contaminated extinguisher water should not be collected separately and should not go to the canalization.

## 6. ACCIDENTAL RELEASE MEASURES

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

Use proper personal protective equipment as indicated in Section 8.

#### 6.1.1 For non-emergency personal:

NA

#### 6.1.2 For emergency responders:

NA

### 6.2 Environmental precautions:

Clean up spills immediately, observing precautions in Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation.

### 6.3 Measures for cleaning/ collecting:

Wash the affected area at the spill with water, collect the water used in suitable containers and dispose of in accordance with the provisions of the law.

### 6.4 Reference to other sections:

Further information on exposure controls/personal protection equipment and further disposal considerations are reported in sections 8 and 13 of this safety data sheet.

## 7. HANDLING AND STORAGE

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### 7.1 Precaution for safe handling:

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Do not eat, drink and smoke in work areas. Wash hands after use. Remove clothing and protective equipment before entering eating areas.

### 7.2 Conditions for safe storage, including any incompatibilities:

#### Requirements for storage rooms and containers:

Store in a tightly closed container.

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## Additional disclosures on stock conditions:

Store in the dark, in a cool, dry, well-ventilated area away from incompatible substances.

## Storage class:

12

## 7.3 Specific end use(s)

Biostimulant and organic soil improver

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### 8.1 Control parameters

General contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering control:

All handling should only take place in well-ventilated areas.

#### 8.2.2 Personal protective equipment:

##### General protective and hygienic measures:

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

##### Eye/face protection:

Wear eye protection (reference EN 166 standard)

##### Hand protection:

Wear protective gloves category II (reference EN 374 standard) by PVC, neoprene, nitrile or equivalent

##### Body protection:

Wear appropriate clothing to prevent repeated or prolonged skin contact

##### Respiratory protection:

No specific recommendations

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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## 9.1 Information on basic physical and chemical properties

### General information:

Aggregate state:	Liquid
Colour:	Yellow to dark brown
Odour:	Mild
Odour threshold:	Not determined
pH value:	8-8.5
Melting point:	Not relevant
Initial boiling point:	Not relevant
Flash point:	Not relevant
Evaporation rate:	Not relevant
Flammability (solid, gas):	The product is not flammable
Vapour pressure:	Not relevant
Vapour density:	Not relevant
Relative density:	1.13-1.14 kg/dm <sup>3</sup>
Solubility(ies):	100% soluble in water
Partition coefficient:	Not relevant
Auto-ignition temperature:	Not relevant
Decomposition:	Not relevant
Temperature:	Not relevant
Viscosity:	Not relevant
Explosive properties	Not relevant
Oxidizing properties	Does not meet the criteria for classification as oxidizing

## 9.2 Other safety information

No further relevant information available

## 10. STABILITY AND REACTIVITY

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### 10.1 Reactivity:

No test data specifically related to reactivity available for this product or its ingredients.

### 10.2 Chemical stability:

The product is stable under normal usage and storage conditions.

### 10.3 Possibility of hazardous reactions:

No potentially hazardous reactions known.

### 10.4 Conditions to avoid:

Contact with strong oxidants.

### 10.5 Incompatible materials:

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Strong oxidizing agents.

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## 10.6 Hazardous decomposition products:

Hazardous decomposition products formed under fire conditions. Carbon monoxide and carbon dioxide are formed under these conditions. Nature of other decomposition products not known.

## 11. TOXICOLOGICAL INFORMATION

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### 11.1 Information on toxicological effects:

Oral LD50:	Not data available
Inhalation LC50:	Not data available
Dermal LD50:	Not data available

### 11.2 Information on other information:

Other Information:	Not data available
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## 12. ECOLOGICAL INFORMATION

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### 12.1 Ecotoxicity:

No data available

### 12.2 Persistence and degradability:

No data available

### 12.3 Bioaccumulative potential

Soluble in water.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

No data available.

### 12.6 Endocrine disrupting properties

No data available.

### 12.7 Other adverse effects

No data available.

## 13. DISPOSAL CONSIDERATIONS

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## 13.1 Waste treatment methods:

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## Disposal methods:

Reuse or recycle products wherever possible. No specific disposal method required.

## 14. TRANSPORT INFORMATION

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**14.1 UN No.:** ADR/RID, IMDG, IATA: not applicable

**14.2 UN Proper Shipping Name:** ADR/RID, IMDG, IATA: not applicable

**14.3 Transport hazard class(es):** ADR/RID, IMDG, IATA: not applicable

**14.4 Packing group:** ADR/RID, IMDG, IATA: not applicable

**14.5 Environmental hazards:** Not hazardous to waters

## 14.6 Special precautions for users:

See sections 6-8.

## 14.7 Maritime transport in bulk according to IMO instruments

ADR/RID, IMDG, IATA: not applicable

## 15. REGULATORY INFORMATION

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### 15.1 Safety, health, and environmental regulation/legislation specific for the substance or mixture:

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. 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:

Not available

## 16. OTHER INFORMATION

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## Disclaimer

The information in this SDS was obtained from sources which we believe to be reliable. Humintech provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate handling of the product by properly trained and qualified personnel. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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## Extended text of hazard statements reported in section 2 and 3:

### Precautionary statements:

P264	Wash skin thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P264+P265	Wash hands thoroughly after handling. Do not touch eyes.
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.
P332+317	If skin irritation occurs: Get medical help.
P337+P317	IF eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

Department issuing data specification sheet: Product Safety Department

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