Acc. to Regulation (EC) No 1907/2006 (REACH)



Trade Name: FULVITAL PLUS LIQUID

Printing date 07/01/2021 Reviewed on 06/01/2020

## 1. IDENTIFICATION OF SUBSTANCE

**Product details:** 

Trade name: FULVITAL PLUS LIQUID

Article number: 212

**Application of the substance / the preparation:** Organic Micronutrient Deficiency Corrector

Manufacturer/Supplier:

Humintech GmbH Am Pösenberg 9-13

41517 Grevenbroich / Germany

<u>www.humintech.com</u>

Tel: +49 2181 70676 0

<u>info@humintech.com</u>

Fax: +49 2181 70676 22

Information:see: Section 16 (Contact)Emergency information:see: Manufacturer/Supplier

## 2. HAZARDS IDENTIFICATION

## Classification according to Regulation (EC) No 1272/2008 [CLP]:

Not classified as dangerous.

#### Hazard designation:

n/a

## Information pertaining to particular dangers for man and environment:

n/a

#### 3. COMPOSITION/ DATA ON COMPONENTS

Mixture: Liquid ligninsulfonic acid and micronutrients (Fe/ Zn/ Mn/ Cu)

	Ingredient name	EC No.	CAS No.
1	Lignosulfonic acid, salt of		8062-15-5
2	Copper (II) sulphate pentahydrate	231-847-6	7758-99-8
3	Manganese (II) sulphate monohydrate	232-089-9	10034-96-5
4	Zinc sulphate monohydrate	231-793-3	7446-19-7
5	Iron (II) sulphate heptahydrate	231-753-5	7720-78-7
6	Magnesium sulphate	231-298-2	7487-88-9

Acc. to Regulation (EC) No 1907/2006 (REACH)



Trade Name: FULVITAL PLUS LIQUID

Printing date 07/01/2021

Reviewed on 06/01/2020

#### 4. FIRST AID MEASURES

### • 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.

#### After inhalation:

Supply fresh air. Seek medical treatment in case of complaints.

## 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:

CO<sub>2</sub>, extinguishing powder, foam or water.

# • Special hazards caused by the material, its products of combustion or resulting gases: Sulphur oxide, Carbon monoxide (CO)

# • Protective equipment:

Put on breathing apparatus.

## 6. ACCIDENTIAL RELEASE MEASURES

# • Person-related safety precautions:

Avoid skin and eye contact.

#### • Measures for environmental protection:

Do not allow to enter drainage system, surface or ground water.

# • Measures for cleaning/ collecting:

Collect mechanically with sawdust as binding material.

Acc. to Regulation (EC) No 1907/2006 (REACH)



Trade Name: FULVITAL PLUS LIQUID

Printing date 07/01/2021

Reviewed on 06/01/2020

### 7. HANDLING AND STORAGE

## • Handling:

The usual precautions at handling with chemicals are to be attended.

#### Storage:

Protect against strong frost.

# - Further information about storage conditions:

Store in cool, dry conditions in well sealed containers.

## - Storage class:

VbF class not applicable.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

• Eye protection: Safety glasses

• Hand protection: Protective gloves

• Breathing protection: Unnecessary

• Personal Protection: Unnecessary

## 9. PHYSICAL AND CHEMICAL PROPERTIES

• Form: aqueous solution · Colour: Dark brown • Odour: typical pH-value: 4-5 • Melting point: n/a Boiling point: 100°C • Flash point: n/a • Inflammability: n/a

Danger of self-igniting:
 Danger of explosion:
 not self-igniting not explosive

vapour pressure:

Relative density: 1,17 g/cm³
 Solubility: water-soluble

• Dry matter content: 29 %

## 10. STABILITY AND REACTIVITY

n/a

Acc. to Regulation (EC) No 1907/2006 (REACH)



Trade Name: FULVITAL PLUS LIQUID

Printing date 07/01/2021

Reviewed on 06/01/2020

· Conditions to be avoided:

No recommendations

• Dangerous products of decomposition:

Non at usual handling.

Substances to be avoided:

None.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

LD 50/ Oral/ Rat: mg/kg LC50/ Inhal./ Ratte: mg/l

Not determined Not determined

## 12. ECOLOGICAL INFORMATION

• General notes:

Highly degradable.

• 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.

Acc. to Regulation (EC) No 1907/2006 (REACH)



Trade Name: FULVITAL PLUS LIQUID

Printing date 07/01/2021 Reviewed on 06/01/2020

## 14. TRANSPORT INFORMATION

• Land transport ADR/ RID a GGVS/ GGVE

ADR/ RID: is not a dangerous matter
 GGVS/ GGVE: is not a dangerous matter
 National Seetransport (AND/ ADR): is not a dangerous matter
 AND/ ADR: is not a dangerous matter

## 15. REGULATORY INFORMATION

Water hazard class:

Water hazard class 1 (self-rating): low hazardous to waters.

## **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.

Contact:

 Herr Müfit Tarhan (Production)
 Tel.: +49 2181 70676 12

 m.tarhan@humintech.com
 Fax: +49 2181 70676 22