

MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC (REACH)



Trade Name: FULVITAL LIQ

Printing date 30/08/2016

Reviewed on 04/01/2016

1. IDENTIFICATION OF SUBSTANCE

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

2. COMPOSITION/ DATA ON COMPONENTS

- **Chemical characterization:** Lignosulfonic acid, magnesium salt
- Chemical state:** Liquid
- CAS No. Designation:** 8061-54-9
- Dangerous components:** none

3. HAZARDS IDENTIFICATION

- **Classification of the substance or mixture:**

Classification according to Directive 67/548/EEC or Directive 1999/45/EC be dropped

Information concerning particular hazards for human and environment: The product does not have to be labelled due to the calculation procedure of the "General Classification."

4. FIRST AID MEASURES

- **After swallowing:**
Drink water. In case of persistent symptoms consult a doctor.
- **After inhalation:**
Supply fresh air.
- **After skin contact:**
Wash with water.
- **After eye contact:**

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Wash with water and rinse thoroughly. If irritation occurs, consult a doctor.

5. FIRE FIGHTING MEASURES

- **Suitable extinguishing agents:**
Product itself does not burn. Water, foam, powder, CO₂,
- **Special hazards caused by the material, its products of combustion or resulting gases:**
Sulfur dioxide (SO₂), CO₂

6. ACCIDENTAL RELEASE MEASURES

- **Environmental precautions:**
Avoid infiltration of larger quantities into drains, surface water, groundwater, soil and direct skin and eye contact.
- **Personal precautions:**
Safety goggles are recommended.
- **Removal and clean up:**
Pick up greater quantities mechanically; smaller quantities can be removed by absorbent substances. After having swept smaller quantities, rinse with water.

7. HANDLING AND STORAGE

- **Handling**
Usual precautions for chemicals.
- **Storage:**
Avoid freezing and boiling
- **Class according to regulation on inflammable inflammable liquids:**
Void

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- **Respiratory protection:**
none
- **Protection of hands:**
Rubber gloves
- **Eye protection:**
Safety goggles
- **Protective clothing:**
none

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9. PHYSICAL AND CHEMICAL PROPERTIES

• Physical state:	aqueous solution
• Colour:	amber
• Odour:	typical
• pH (10% solution):	5,5 ± 1.0
• Melting point:	Not applicable
• Boiling point:	Not applicable
• Flash point:	Not applicable
• Self-ignition:	Not self-inflammable
• Explosion properties:	not explosive
• Vapor pressure:	not applicable
• Bulk Density:	1,3 ± 0,1 g/ml
• Insolubles (v/v; 40% solution):	max. 0,5 %
• Dry matter:	55 ±2 %

10. STABILITY AND REACTIVITY

- **Thermal decomposition/ Conditions to be avoided:**
No decomposition if used as applied
- **Dangerous reactions:**
No dangerous reactions known
- **Dangerous products of decomposition:**
No dangerous decomposition products known by normal handling

11. TOXICOLOGICAL INFORMATION

- **Acute toxicity:**
not toxic, LD₅₀/ Oral/ rat >5000mg/kg
- **Primary irritant effect:**
on the skin: No irritant effect
on the eye: No irritating effect
Sensitization: No sensitizing effects known

12. ECOLOGICAL INFORMATION

- **Toxicity against fish:**
EC50 (3h) > 1000 mg/l (Bacteria)
NOEC 100 mg/L (Algae)
1000 mg/L (Bacteria)
100 mg/L (Daphnia)

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- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment:** **PBT:** No
vPvB: No
- **Other adverse effects:** No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Product can be given to a qualified incinerating plant in accordance with local regulations.

14. TRANSPORT INFORMATION

UN-Number	
ADR, IMDG, IATA	Void
UN proper shipping name	
ADR, IMDG, IATA	Void
Transport hazard class(es)	
ADR, IMDG, IATA	Void
Packing group	
ADR, IMDG, IATA	Void

15. REGULATORY INFORMATION

Not classified

16. OTHER INFORMATION

Supplied by:	Humintech GmbH Am Pösenberg 9-13 41517 Grevenbroich/ Germany
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