



**Trade Name: WS pH Test (M)**

Company / Supplier: Söll GmbH, Fuhrmannstr. 6, D- 95030 Hof

Telephone: +49 - 9281-72850, Date of issue: 10.11.2017 Replaces Data Sheet of: 20.11.2015

**SECTION 3: Composition/information on ingredients****3.1 Substances**

n.ap.

**3.2 Mixtures****Chemical Characterisation:**

Mixture Aqueous solution alcoholic

**Dangerous Ingredients:**

Material	CAS - No.	Index - No.	EC - No.	REACH - No.	m% - range
<b>Ethanol</b>	64-17-5	603-002-00-5	200-578-6	01-2119457610-43-xxxx	<b>15 - 30%</b>
Flam. Liq. 2; H225					

Text of H - phrases: see section 16

m% - range:  $x - y \triangleq x \geq - < y$ **SECTION 4: First aid measures****4.1 Description of first aid measures****4.1.1 Inhalation:**

Move to fresh air.

If symptoms persist, call a physician.

**4.1.2 Skin Contact:**

Rinse with water.

If symptoms persist, call a physician.

**4.1.3 Eye Contact:**

Rinse immediately with plenty of water, also under the eyelids.

If symptoms persist, call a physician.

**4.1.4 Ingestion:**

Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting.

If symptoms persist, call a physician.

**4.2 Most important symptoms and effects, both acute and delayed**

Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****5.1.1 Suitable Extinguishing Media:**Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.**5.1.2 Extinguishing Media to Avoid:**

High volume water jet.

**5.2 Special hazards arising from the substance or mixture**

In the event of fire the following can be released: Carbon oxides.

**5.3 Advice for firefighters****5.3.1 Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

**5.3.2 Additional Information:**

In the event of fire, cool tanks with water spray.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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**SECTION 6: Accidental release measures**

- 6.1 **Personal precautions, protective equipment and emergency procedures**  
See chapter 8.2.2  
Remove all sources of ignition.
- 6.2 **Environmental precautions**  
Do not flush into surface water or sanitary sewer system.  
Do not allow material to contaminate ground water system.  
Local authorities should be advised if significant spillages cannot be contained.
- 6.3 **Methods and material for containment and cleaning up**  
Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.
- 6.4 **Reference to other sections**  
None.

**SECTION 7: Handling and storage**

- 7.1 **Precautions for safe handling**
- 7.1.1 **Precautions for Safe Handling:**  
Avoid contact with the skin and the eyes.  
Do not breathe vapours or spray mist.  
When using, do not eat, drink or smoke.  
Take off all contaminated clothing immediately.  
Wash hands before breaks and at the end of workday.
- 7.1.2 **Precautions in Case of Fire and Explosion:**  
Keep away from sources of ignition - No smoking.  
Take measures to prevent the build up of electrostatic charge.  
In use, may form flammable/explosive vapour-air mixture.
- 7.2 **Conditions for safe storage, including any incompatibilities**
- 7.2.1 **Storage Instructions:**  
Keep tightly closed in a dry and cool place. Ensure adequate ventilation.  
Keep in an area equipped with solvent resistant flooring.
- 7.2.2 **Store away from:**  
Do not store together with oxidizing agents.
- 7.2.3 **Further Information on Storage Conditions:**  
Ensure adequate ventilation.
- 7.3 **Specific end use(s)**  
n.av.

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

- 8.1 **Control parameters**
- | <b>Material</b> | <b>Limit Value</b>              |
|-----------------|---------------------------------|
| Ethanol         | 500 ppm   960 mg/m <sup>3</sup> |
- 8.2 **Exposure controls**
- 8.2.1 **Appropriate engineering controls**  
Provide appropriate exhaust ventilation at machinery.
- 8.2.2 **Individual protection measures**
- 8.2.2a **Respiratory Protection:** Breathing apparatus needed only when aerosol or mist is formed.  
Recommended filter type: A
- 8.2.2b **Hand Protection:** Repeated or prolonged exposure: Protective gloves complying with EN 374.  
The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
- 8.2.2c **Eye Protection:** In case of contact through splashing: safety glasses
- 8.2.2d **Skin Protection:** None.
- 8.2.2e **Further Information:** Observe wearing time limits:
- 8.2.3 **Environmental exposure controls:**  
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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

9.1.1	<b>Form:</b> liquid	<b>Colour:</b> light pink	<b>Odour:</b> alcoholic
			<b>Odour threshold:</b> n.av.
9.1.2	pH-value, undiluted:	n.av.	
	pH-value, 1% aqueous solution:	n.av.	
9.1.3	Boiling point / Boiling - range (°C):	n.av., Melting point / Melting range (°C):	n.av.
9.1.4	Flash point (°C):	~ 35, closed cup	
9.1.5	Flammability (EEC A10/A13):	No.	
9.1.6	Ignition temperature (°C):	n.av.	
9.1.7	Autoflammability (EEC A16):	n.av.	
9.1.8	Oxidising properties:	No.	
9.1.9	Explosion hazard:	None.	
9.1.10	Explosion limits (Vol.%) lower:	3,5 (Ethanol), upper: 15 (Ethanol)	
9.1.11	Vapour pressure:	n.av.	
	Vapour density (Air = 1):	n.av.	
9.1.12	Density (g/ml):	< 1	
9.1.13	Solubility (in Water):	miscible	
9.1.14	Partition coefficient, n-Octanol / Water:	n.av.	
9.1.15	Viscosity:	n.av.	
9.1.16	Solvent content (m %):	20 – 30	
9.1.17	Thermal decomposition (°C):	n.av.	
9.1.18	Evaporation rate:	n.av.	
9.2	<b>Other information</b>		
	n.av.		

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No information available.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

In use, may form flammable/explosive vapour-air mixture.

**10.4 Conditions to avoid**

Keep away from heat and sources of ignition. Keep away from direct sunlight.

**10.5 Incompatible materials**

Incompatible with oxidizing agents, alkali metals, alkaline earth metals.

**10.6 Hazardous decomposition products**

No decomposition if stored and applied as directed.

To avoid thermal decomposition, do not overheat.

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**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Acute Health Effects:

Inhalation: n.av.

Ingestion: n.av.

Skin Contact: n.av.

\* Skin corrosion / irritation: Slight

Serious eye damage / irritation: Slight

Respiratory or skin sensitisation: No.

Germ cell mutagenicity: n.av.

Carcinogenicity: n.av.

Reproductive toxicity: n.av.

STOT-single exposure: n.av.

STOT-repeated exposure: n.av.

Aspiration hazard: n.av.

**11.1.1 – Practical Experience**

11.1.11 n.av.

**11.1.12 Practical Experience**

Observations relevant for classification:

None.

Further Observations:

\* Solvents may degrease the skin.

Classification of the preparation has been done by calculation in accordance with EEC directives.

**SECTION 12: Ecological information****12.1 Toxicity**

Ecological injuries are not known or expected under normal use.

**12.2 Persistence and degradability**

Readily biodegradable.

**12.3 Bioaccumulative potential**

n.av.

**12.4 Mobility in soil**

n.av.

**12.5 Results of PBT and vPvB assessment**

This mixture contains no substances which are assessed to be PBT or vPvB.

**12.6 Other adverse effects**

12.6.1 COD-Value, mg/g: n.av.

12.6.2 BOD5-Value, mg/g: n.av.

12.6.3 AOX-Remarks: Not applicable.

12.6.4 Significant Components: None.

12.6.5 Other adverse effects: Not applicable.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

13.1.1 Recommendation: D10 / R 1

Waste - Code - No.: 20 01 99

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

In addition comply with the regional authorities.

**13.1.2 Contaminated Packaging**

Recommendation: Wash with suitable cleaner. Otherwise as described under Residues.




Safe Handling: As described under Residues.

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**SECTION 14: Transport information**

	ADR	IMDG	IATA
14.1	<b>UN number</b> 1170	1170	1170
14.2	<b>UN proper shipping name</b> UN 1170 Ethanol solution	Ethanol solution	Ethanol solution
14.3	<b>Transport hazard class(es)</b> 3 	3 	3 
14.4	<b>Packing group</b> III	III	III
14.5	<b>Environmental hazards</b>	No.	
14.6	<b>Special precautions for user</b> Transport category: 3 Classification Code: F1 Hazard - No.: 30 LQ: 5 L	F-E, S-D	Packing Instructions (Passenger) 355 Packing Instructions (Cargo) 366
14.7	<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	n.av.	

**SECTION 15: Regulatory information**

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b> n.av.
15.2	<b>Chemical safety assessment :</b> n.ap.

**SECTION 16: Other information****Text of H phases mentioned in Section 3**

H225: Highly flammable liquid and vapour.

This datasheet has been compiled in accordance with EU regulation 2015/830.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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