1. DESCRIPTION OF SUBSTANCE OR PREPARATION AND COMPANY

Product information
Trade name: Erodier-Maschinenreiniger Wirasol

Manufacturer/Supplier: Rathgeber GmbH
Daimlerstr. 1-3
73037 Göppingen
Phone:+49 (0)7161/812210 Fax:+49 (0)7161/83903

Contact person: Product/Application Consulting
Winfried Rathgeber
+49 (0)7161/812210

Emergency number: +49 (0)7161/812210

2. POSSIBLE DANGERS

Instructions on danger for humans and environment

Danger code / Description of danger: Xi - Irritant

R36/38: Irritates the eyes and skin

3. COMPOSITION/INFORMATION ABOUT COMPONENTS

Chemical Characterisation (Preparation) Dissolution of the following substances

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS no.</th>
<th>EC no. Symbol</th>
<th>Risk phrase</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isotridecanol</td>
<td>69011-36-5</td>
<td>Xn</td>
<td>22,41</td>
<td>5-&lt;15</td>
</tr>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>C</td>
<td>34</td>
<td>15-&lt;25</td>
</tr>
</tbody>
</table>

In Section 16 you can find the complete wording of the risk phases listed here.
Trade name: Erodier-Maschinenreiniger Wirasol

4. FIRST AID MEASURES

General instructions: Immediately remove dirty, soaked clothing.
Eye contact: In the event that product comes into contact with your eyes, immediately rinse them with much water and consult a doctor.
Skin contact: Immediately wash with much water.
Swallowing: Immediately contact a doctor.

5. MEASURES FOR FIRE FIGHTING

Special safety: In the event of a fire, wear face mask not dependant on air from the equipment for fighting fire
Appropriate extinguishing agent: Water, extinguishing powder, lather, carbon dioxide (CO2)
Extinguishing agents that are not to be used for safety reasons:
Particular danger: No great danger anticipated.

6. MEASURES IN THE EVENT OF UNINTENDED SPILLAGE

Personal safety measures: Ensure sufficient ventilation.
Use protective clothing.
Environmental measures: Do not let product seep into the ground. Do not pour in surface water or canalization.
Cleaning procedure: Mop up with an absorbing material (e.g. rag, fleece) Absorb the rest with a fluid-binding material (e.g. sand, silica gel, acid binder, universal binder, saw dust). Dispose of contaminated material in accordance with the requirements.
7. HANDLING AND STORAGE

Handling

Instructions for safe handling: Avoid development of aerosol. Wear personal protective clothing. Ensure sufficient ventilation and/or suction removal in the work rooms.

Instructions for fire and explosion safety: The product does not burn on its own.

Storage

Requirements for storage rooms and containers: Store in the original container at room temperature.

Additional information: Keep away from sunlight and heat and make sure container remains firmly shut.

Collective storage instructions: Keep away from food and drinks.

8. EXPOSURE LIMITS AND PERSONAL PROTECTIVE CLOTHING

Components with workplace-related limits to be monitored

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS no.</th>
<th>Value</th>
<th>Base</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>MAK 2 E mg/m³</td>
<td>MAK Short-term exp. limit.</td>
</tr>
</tbody>
</table>

Personal protective equipment

- Breathing protection: Not required if room is well ventilated.
- Hand protection: Protective gloves. Only use chemical protective gloves with CE marking class 3, pursuant to EN 374. Check protective gloves before using them every time to make sure they are in proper condition. Use skin cleaning and skin care products after wearing gloves. Glove materials: 1. Nitrile rubber 2. Butyl rubber. Recommended strength: 1. 0.4mm / 2. 0.7mm
- Spray protection. Gloves made of nitrile and butyl rubber. Not suitable: Gloves made of PVA.
- Eye protection: Sealed protective glasses pursuant to EN 166:2001
- Body protection: Impenetrable protective clothing
- Hygiene measures: Keep away from food, drinks and animal feed
9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- **Form**: fluid
- **Colour**: colourless
- **Smell**: pleasantly fresh

Other information

- **Thickness**: approx. 1.10
- **Water solubility**: at 20° C – in every proportion
- **pH value**: approx. 1.2 at 100 g/Ltr. (20° C)
- **Flash point**: not applicable

10. STABILITY AND REACTIVITY

- **Dangerous reactions**: When used properly, no dangerous reaction should occur. Avoid contact with strong oxidation agents and alkaline metal.
- **Dangerous decomposition products**: The emergence of flammable gases (e.g. hydrogen) is possible in contact with alkaline metals.

11. TOXICOLOGICAL INFORMATION

- **Acute toxicity if swallowed**: No data is available for this product.
- **Skin irritation**: Irritates the skin.
- **Eye irritation**: Irritates the eyes.

12. INFORMATION FOR ECOLOGY

**Biological decomposability:**

The included tensides can be decomposed according to the manufacturer as follows:

- \( >60\% \), 28 d OECD Guideline 301 B
- \( >70\% \), 28 d OECD Guideline 301 A (amended version)
Trade name: **Erodier-Maschinenreiniger Wirasol**

**13. INSTRUCTIONS FOR DISPOSAL**

Product : Dispose in accordance with the official local requirements

Contaminated packaging : After removing all contents, add packaging to the recycling bin.

Waste code for the unused product : AVV 070601 (Hazardous Waste Regulation)

Waste code for the unused product (group) : Waste from the manufacturing, preparation, sale and use of grease and lubricants, soap, cleaning agents, disinfectants and body care products

Recommendation company : Discuss exact waste code with the waste management

**14. INFORMATION ABOUT TRANSPORT**

- **Land transport ADR/ RID and GGVS/GGVE (abroad/domestic):**
- ADR/RID-GGVS/E Class: 8 UN 1805
- Numeral/Letter: Packaging group: III

**15. REQUIREMENTS**

**Marking in accordance with EC Directive:**
Code letters and description of danger: Xi - irritant

Risk phrase 36/38 : Irritates the eyes and skin.

Safety phrase 26 : If product comes into contact with your eyes, rinse thoroughly with water and consult a doctor.

Safety phrase 37/39 : When working, wear suitable gloves (EN 374) and protective glasses/face mask.

Observe the restrictions on the employment of adolescents pursuant to Article 22 ArbSchG (Labour Protection Law)

- **Water hazard class (WGK)** : WGK 2 Category 5.1, VwVwS (Regulation of Substances Hazardous to Water) dated 17.05.1999
Trade name: **Erodier-Maschinenreiniger Wirasol**

### 16. OTHER INFORMATION

**Wording of risk phrases under sections 2 + 3**

- **R 36/38**: Irritates the eyes and skin.
- **R 22**: Can damage health if swallowed.
- **R 34**: Causes burns.
- **R 41**: Danger of serious eye damage.

The information is based on the knowledge we have at the present time, it does not represent any guarantee of the product’s properties and does not constitute a contractual legal relationship.

- **Division issuing material safety data sheet**: Product development
- **E-Mail qualified person**: info@rathgebergmbh.de