

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

| | |
|--|--|
| Trade Name | RustFix |
| Supplier | Wagner Spezialschmierstoffe GmbH & Co. KG Speckbrodi 8, D – 86759 Wechingen Tel. +49 9085-96009-0 E-mail: wagner@wagner-german-oil.com www.wagner-german-oil.com |
| Commissioning Dept. | Product Safety Tel. +49 9085 – 960-110 |
| Emergency telephone no. supplier | Tel. +49 9085-96009-0 (8:30 - 16:30) |
| Information Centre Specialising in Symptoms of Poisoning | Tel. +44 870 600 6266 |

1.1 Relevant identified uses of the substance or mixture and uses advised against

Use: Rust converter

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification and labelling according to Directive 1272/2008/EC:
Skin Corr. 1BH314 / Met. Corr. 1 H290

Classification and labelling according to Directive 1999/45/EC:
Corrosive R 34

2.2 Label elements

Classification according to 1272/2008/EC: Yes.
Applicable Exemptions: No.
Signal word(s): Danger
Component(s): contains: Phosphoric acid

H - Phrases:

H314: Causes severe skin burns and eye damage.
H290: May be corrosive to metals.

P - Phrases:

P405: Store locked up.
P102: Keep out of reach of children.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P262: Do not get in eyes, on skin, or on clothing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P310: Immediately call a POISON CENTER/doctor.
P406: Store in corrosive resistant/ container with a resistant inner liner.
P501: Dispose of contents/container to hazardous or special waste collection point.

Additional Markings: tactile warning of danger child resistant fastenings

The above mentioned labelling is valid for distribution to private consumer.

2.3 Other hazards

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
This mixture contains no substances which are assessed to be PBT or vPvB.

Hazard pictogram(s):



3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Dangerous ingredients:

3.2 Mixtures

Chemical Characterisation: Aqueous mixture of phosphoric acid and additives

Dangerous ingredients:

| CAS - No. | Index - No. | EC - No. | Material | m% - range | Symbol | R / H - phrases |
|------------|--------------|-----------|--|------------|-------------|-------------------|
| 7664-38-2 | 015-011-00-6 | 231-633-2 | Phosphoric acid REACH_01-2119485924-24-xxxx | 50 - 75% | C GHS05 | R 34 H314 H290 |
| 84962-20-9 | n.av. | 284-716-0 | Phosphoric acid, mixed esters with Bu alc. and ethylene glycol REACH_01-2119969464-25-xxxx | 1 - 5% | Xi GHS05 | R 36 H318 H290 |

Text of R-/H- phrases: see section 16

4. FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 Inhalation

Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. Consult a physician.

4.1.2 Skin Contact

Remove and wash contaminated clothing before re-use. Wash off with warm water and soap. Consult a physician.

4.1.3 Eye Contact

Call a physician immediately. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

4.1.4 Ingestion

Call a physician immediately. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Ingestion causes burns of the upper digestive and respiratory tracts.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

5.1.1 Suitable Extinguishing Media

Use dry chemical, CO₂, water spray or "alcohol" foam.

5.1.2 Extinguishing Media to Avoid

None.

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released: oxides of phosphorus

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

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

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

See chapter 8.2.2
Do not breathe vapours or spray mist.

6.2 Environmental precautions

Do not contaminate water. Do not empty into drains. 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. Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

None.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

7.1.1 Precautions for Safe Handling

Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. When diluting, always add the product to water. Never add water to the product.

7.1.2 Precautions in Case of Fire and Explosion

Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Storage Instructions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in an area equipped with acid resistant flooring. Handle and open container with care. Do not use containers made of light metals.

7.2.2 Store away from

Store away from bases

7.2.3 Further Information on Storage Conditions

Keep at temperatures above 15°C.

7.3 Specific end use(s)

n.av.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

| Material | Limit Value |
|-----------------|-----------------------|
| Phosphoric acid | 2 E mg/m ³ |

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide appropriate exhaust ventilation at machinery.

8.2.2 Personal protection equipment

| | |
|--------------------------------|---|
| Respiratory Protection: | Breathing apparatus needed only when aerosol or mist is formed.. |
| Hand Protection: | Protective gloves complying with EN 374 butyl-rubber >0,5 mm nitrile rubber > 0,35 mm break through time > 8 h The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove. 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. |
| Eye Protection: | Tightly fitting safety goggles |
| Skin Protection: | Long sleeved clothing |
| Further Information: | Observe wearing time limits. |

8.2.3 Environmental exposure controls

n.av.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|--|-------------------|
| Form | Liquid |
| Colour | Colourless clear |
| Odour | Mild |
| Odour threshold | n.av. |
| pH-value, undiluted | < 1 |
| 1% aqueous solution: | n.av. |
| Boiling point / Boiling range (°C) | n.ap. |
| Melting point / Melting range (°C) | n.av. |
| Flash point | n.ap., closed cup |
| Flammability (EEC A10 / A13) | n.ap. |
| Ignition temperature (°C) | n.av. |
| Autoflammability (EEC A16) | No. |
| Oxidising properties | None. |
| Explosion hazard | No. |
| Explosion limits (Vol.%) | |
| lower | n.ap. |
| upper | n.ap. |
| Vapour pressure/Vapour density (Air = 1) | n.ap./n.ap. |
| Density (g/ml) | > 1 |
| Solubility (in Water) | miscible |
| Partition coefficient, n-Octanol/Water | n.av. |
| Viscosity | n.av. |
| Solvent content (m %) | n.ap. |
| Thermal decomposition (°C): | n.av. |
| Evaporation rate | n.av. |

9.2 Other information

n.av.

10. STABILITY AND REACTIVITY

10.1 Reactivity

None.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Corrosive in contact with metals. Gives off hydrogen by reaction with metals.

10.4 Conditions to avoid

No conditions to be specially mentioned.

10.5 Incompatible materials

Incompatible with bases, metals.

10.6 Hazardous decomposition products

No decomposition if used as directed. To avoid thermal decomposition, do not overheat.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Substances
Mixtures

| | |
|-------------------------------------|--|
| Acute Toxicity: | |
| Inhalation: | n.av. |
| Ingestion: | n.av. |
| Skin contact: | n.av. |
| Irritation/corrosion (to skin/eye): | Causes severe skin burns and eye damage. |
| Sensitisation: | None. |
| Carcinogenicity: | None. |
| Mutagenicity: | n.av. |
| Teratogenicity: | None. |
| Narcotic Effects: | None. |

Practical experience
 n.av.

11.2 Practical Experience

Observations relevant for classification: None.
 Further Observations: None.
 Classification of the preparation has been done by calculation in accordance with EEC directives.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

We have no quantitative data concerning the ecological effects of this product.

12.2 Persistence and degradability

No data is available on the product itself.
 Solutions with low pH-value must be neutralized before discharge.

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

| | |
|-------------------------|-----------------|
| COD-Value,mg/g: | n.av. |
| BOD5-Value, mg/g: | n.av. |
| AOX-Remarks: | Not applicable. |
| Significant Components: | None. |
| Other adverse effects: | Not applicable. |

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

13.1.1 Recommendation

Where possible recycling is preferred to disposal or incineration.

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.

13.2 Contaminated Packaging

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




Safe Handling: As described under Residues.

14. TRANSPORT INFORMATION

| | | | |
|-------|---|-----------------------------------|-----------------------------------|
| 14.1 | ADR UN number | IMDG | IATA |
| | 1805 | 1805 | 1805 |
| 14.2. | UN proper shipping name | | |
| | UN 1805 Phosphoric acid, liquid, solution | Phosphoric acid, liquid, solution | Phosphoric acid, liquid, solution |

Safety Data Sheet in Accordance with regulation (EU) 2015/830 (REACH)
 Version 1.1, Date / revised: 21.02.2024 First Version: 23.10.2014
 Print date: 21.02.2024

Seite 6 von 6

| | | | |
|-------------|--|--|--|
| 14.3 | Transport hazard class(es) | | |
| | 8  | 8  | 8  |
| 14.4 | Packing group | | |
| | III | III | III |
| 14.5 | Environmental hazards | | |
| | No. | | |
| 14.6 | Special precautions for user | | |
| | Transport category: 3 Classification Code:: C1 Hazard - No.:: 80 LQ: 5 L | F-A, S-B | Packing Instructions (Passenger): 852 Packing Instructions (Cargo): 856 |
| 14.7 | Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | | |
| | n.av. | | |

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available.

15.2 Chemical safety assessment

None.

16. OTHER INFORMATION

Text of R / H phrases mentioned in Section 3

R 34: Causes burns.

R 36: Irritating to eyes.

H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

This datasheet has been compiled in accordance with EU regulation 453/2011. 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.

Prepared by

Dept. Product Safety

October 23, 2014