

Productname : Rust Remover **Creationdate :** 29.06.17 Version : 4.0
Ref.Nr.: BDS000961_3_20170629 (EN) **Replaces:** BDS000961_20150327

Causes severe skin burns and eye damage.

Classification based on calculation method.

Environment: Not classified

Classification based on calculation method.

Other hazards : Not classified

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier: Contains:
phosphoric acid, orthophosphoric acid

Hazard pictogram(s):



Signal word: Danger

Hazard statement(s): H290 : May be corrosive to metals.
H314 : Causes severe skin burns and eye damage.

Precautionary statement(s): 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.
P301/330/331 : IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303/361/353 : IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P310 : Immediately call a POISON CENTER or doctor/physician.
P305/351/338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501-2 : Dispose of contents/container to an authorised waste collection point.

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

| Hazardous ingredient | Registration number | CAS-nr. | EC-nr | w/w % | Hazard Class and Category | Hazard statement | Notes |
|---|---------------------|------------|-----------|-------|-----------------------------|------------------|-------|
| phosphoric acid, orthophosphoric acid | 01-2119485924-24 | 7664-38-2 | 231-633-2 | 25-50 | Met. Corr. 1, Skin Corr. 1B | H290, H314 | A |
| 1-methoxy-2-propanol; monopropylene glycol methyl ether | 01-2119457435-35 | 107-98-2 | 203-539-1 | 1-5 | Flam. Liq. 3, STOT SE 3 | H226, H336 | A |
| alcohols, C9-11, ethoxylated | 01-2119980051-45 | 68439-46-3 | 614-482-0 | <1 | Acute Tox. 4, Eye Dam. 1 | H302, H318 | |

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Explanation notes

A : substance with Community workplace exposure limit

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures**4.1. Description of first aid measures**

| | |
|----------------------------|---|
| Contact with eyes : | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Contact with skin : | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician. |
| Inhalation : | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| Ingestion : | IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. |

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

| | |
|-----------------------|---|
| Inhalation : | May cause irritation. Symptoms : sore throat, cough |
| Ingestion : | May cause gastrointestinal disturbances Symptoms : sore throat, abdominal pain, nausea, vomiting |
| Skin contact : | Causes severe burns. Symptoms : redness and pain |
| Eye contact : | Causes serious eye damage. Symptoms : redness and pain, impaired vision |

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

| | |
|-------------------------|---|
| General Advice : | If you feel unwell, seek medical advice (show the label where possible) If symptoms persist always call a doctor |
|-------------------------|---|

SECTION 5: Firefighting measures**5.1. Extinguishing media**

foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture

May give off noxious and toxic fumes in a fire

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water
In case of fire, do not breathe fumes
Wear breathing apparatus



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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.
Ensure adequate ventilation
Wear suitable protective clothing including eye/face protection.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material

6.4. Reference to other sections

For further information see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not breathe aerosols or vapours.
Ensure adequate ventilation
Avoid contact with skin and eyes.
Wash thoroughly after use
Wear protective gloves/protective clothing/eye protection/face protection.
Eyewash bottles should be available

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed, in a cool, well ventilated place.
Keep out of reach of children.

7.3. Specific end use(s)

Scale and rust remover

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :



Productname : Rust Remover
Ref.Nr.: BDS000961_3_20170629 (EN)
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| Hazardous ingredient | CAS-nr. | method | |
|---|-----------|--------|---------|
| EU established exposure limits: | | | |
| 1-methoxy-2-propanol; monopropylene glycol methyl ether | 107-98-2 | TWA | 100 ppm |
| | | STEL | 150 ppm |
| phosphoric acid,orthophosphoric acid | 7664-38-2 | TWA | 1 mg/m3 |
| | | STEL | 3 mg/m3 |

8.2. Exposure controls

| | |
|-------------------------------------|--|
| Control procedures : | Ensure adequate ventilation |
| Personal protection : | Take precautions to avoid contact with skin and eyes when handling the product. It is good practice to wear gloves and to provide adequate ventilation whenever using the product. In all cases handle and use the product in accordance with good industrial hygiene practices. |
| inhalation : | In case of insufficient ventilation, wear suitable respiratory equipment. |
| recommended respiratory protection: | air purifying respirator equipped with ABEK type cartridge in combination with an oil proof solid and liquid particulate filter |
| hands and skin : | When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. |
| Recommended gloves: | (neoprene) |
| eyes : | Wear safety eyewear according to EN 166. |
| Environmental protection: | Avoid release to the environment. Collect spillage. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|----------------------|
| Apperance : physical state : | Liquid. |
| colour : | Colorless. |
| odour : | Characteristic odor. |
| pH : | 1 |
| Boiling point/range : | 108 °C |
| Flash point : | None |
| Evaporation rate : | Not applicable. |
| Explosion limits : upper limit : | Not available. |
| lower limit : | Not available. |
| Vapour pressure : | Not applicable. |
| Relative density : | 1.3 g/cm3 (@ 20°C). |
| Solubility in water : | Insoluble in water |
| Auto-ignition : | > 200 °C |
| Viscosity : | Not available. |

9.2. Other information



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Ingestion : May cause gastrointestinal disturbances
Skin contact : Causes severe burns.
Eye contact : Causes serious eye damage.

Toxicological data :

| Hazardous ingredient | CAS-nr. | method | |
|---|------------|-----------------|-----------------|
| 1-methoxy-2-propanol; monopropylene glycol methyl ether | 107-98-2 | LD50 oral rat | 4016 mg/kg |
| | | LC50 inhal.rat | 27596 mg/l |
| | | LD50 derm.rabit | 2000 mg/kg |
| alcohols, C9-11, ethoxylated | 68439-46-3 | LD50 oral rat | 1000-1400 mg/kg |
| | | LD50 derm.rabit | >2000 mg/kg |

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

Not classified

Ecotoxicological data:

| Hazardous ingredient | CAS-nr. | method | |
|---|------------|--------------|-------------|
| 1-methoxy-2-propanol; monopropylene glycol methyl ether | 107-98-2 | LC50 fish | 6812 mg/l |
| | | EC50 daphnia | 23300 mg/l |
| alcohols, C9-11, ethoxylated | 68439-46-3 | LC50 fish | 10-100 mg/l |
| | | EC50 daphnia | 5-25 mg/l |

12.2. Persistence and degradability

No experimental data available

12.3. Bioaccumulative potential

No experimental data available

12.4. Mobility in soil

Insoluble in water

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

No experimental data available



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SECTION 15: Regulatory information

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

The Safety Data Sheet is compiled according to the current European requirements.
Regulation (EC) No 1907/2006 (REACH)
Regulation (EC) No 1272/2008 (CLP)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation hazard statements: H226 : Flammable liquid and vapour.
H290 : May be corrosive to metals.
H302 : Harmful if swallowed.
H314 : Causes severe skin burns and eye damage.
H318 : Causes serious eye damage.
H336 : May cause drowsiness or dizziness.

REVISIONS IN CHAPTRE : 8.2. Exposure controls
acronyms and synonyms: TWA = time weight average
STEL = short time exposure limit
VOC = volatile organic compounds
PBT = persistant bioaccumulative toxic
vPvB = very persitant very bioaccumulative

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.