

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Magirus 579942746 Rust Converter 400 ml

Revision date: 03.02.2020

Product code: 70460

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Anti-corrosive paints, containing solvents, high in aromatics

1.3. Details of the supplier of the safety data sheet

| | | |
|---------------|----------------------|-----------------------------|
| Company name: | Magirus GmbH | |
| Street: | Graf-Arco-Straße 30 | |
| Place: | A-89079 Ulm | |
| Telephone: | +49 731 408 - 0 | Telefax: +49 731 408 - 2410 |
| e-mail: | magirus@cnhind.com | |
| Internet: | www.magirusgroup.com | |

1.4. Emergency telephone number: Vergiftungs-Informationen-Zentrale Freiburg
+49 761-19 240

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Aerosol: Aerosol 1

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Causes skin irritation.

Causes serious eye damage.

May cause drowsiness or dizziness.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

acetone

n-butyl acetate

butan-1-ol

Signal word:

Danger

Pictograms:**Hazard statements**

| | |
|------|---|
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: May burst if heated. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H336 | May cause drowsiness or dizziness. |

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Precautionary statements

| | |
|-----------|--|
| P102 | Keep out of reach of children. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P211 | Do not spray on an open flame or other ignition source. |
| P251 | Do not pierce or burn, even after use. |
| P280 | Wear protective gloves and eye/face protection. |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. |

Special labelling of certain mixtures

| | |
|--------|---|
| EUH208 | Contains epoxy resin (Mn <= 700), reaction product: bisphenol-A-(epichlorhydrin). May produce an allergic reaction. |
|--------|---|

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients
3.2. Mixtures
Chemical characterization

Anti-corrosive paints, containing solvents, high in aromatics

Hazardous components

| CAS No | Chemical name | | | Quantity |
|------------|---|--------------|----------|-------------|
| | EC No | Index No | REACH No | |
| | GHS Classification | | | |
| 115-10-6 | dimethyl ether | | | 60 - < 70 % |
| | 204-065-8 | 603-019-00-8 | | |
| | Flam. Gas 1; H220 | | | |
| 67-64-1 | acetone | | | 10 - < 20 % |
| | 200-662-2 | 606-001-00-8 | | |
| | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066 | | | |
| 123-86-4 | n-butyl acetate | | | 5 - < 10 % |
| | 204-658-1 | 607-025-00-1 | | |
| | Flam. Liq. 3, STOT SE 3; H226 H336 EUH066 | | | |
| 71-36-3 | butan-1-ol | | | 5 - < 10 % |
| | 200-751-6 | 603-004-00-6 | | |
| | Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, STOT SE 3; H226 H302 H315 H318 H335 H336 | | | |
| 1330-20-7 | xylene | | | 5 - < 10 % |
| | 215-535-7 | 601-022-00-9 | | |
| | Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1; H226 H332 H312 H315 H319 H335 H373 H304 | | | |
| 25068-38-6 | epoxy resin (Mn <= 700), reaction product: bisphenol-A-(epichlorhydrin) | | | 0.1 - < 5 % |
| | 500-033-5 | 603-074-00-8 | | |
| | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H319 H317 H411 | | | |

Full text of H and EUH statements: see section 16.

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

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General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Never give anything by mouth to an unconscious person or a person with cramps.

After inhalation

Provide fresh air. Put victim at rest, cover with a blanket and keep warm. If unconscious place in recovery position and seek medical advice.

After contact with skin

Wash with plenty of water. Change contaminated clothing. In case of skin irritation, consult a physician.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Get immediate medical advice/attention.

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

Vapours may cause drowsiness and dizziness. Frequently or prolonged contact with skin may cause dermal irritation.

The following symptoms may occur: Headache. Drowsiness. Dizziness.

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

No data available

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

Carbon dioxide (CO₂), Dry extinguishing powder, Foam.

Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire and/or explosion do not breathe fumes.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protective suit.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Use only in well-ventilated areas. Keep away from sources of ignition - No smoking. Flammable vapours can

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accumulate in head space of closed systems. Caution! Transport usually takes place at temperatures above the flash point.

Advice on protection against fire and explosion

Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

Do not store together with: Material, oxygen-rich, oxidizing. Pyrophoric or self-heating substances.

Further information on storage conditions

Keep away from heat.

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|-----------|-----------------------|------|-------------------|-----------|---------------|--------|
| 67-64-1 | Acetone | 500 | 1210 | | TWA (8 h) | WEL |
| | | 1500 | 3620 | | STEL (15 min) | WEL |
| 71-36-3 | Butan-1-ol | 50 | 154 | | STEL (15 min) | WEL |
| 123-86-4 | Butyl acetate | 150 | 724 | | TWA (8 h) | WEL |
| | | 200 | 966 | | STEL (15 min) | WEL |
| 115-10-6 | Dimethyl ether | 400 | 766 | | TWA (8 h) | WEL |
| | | 500 | 958 | | STEL (15 min) | WEL |
| 1330-20-7 | Xylene: mixed isomers | 50 | 220 | | TWA (8 h) | WEL |
| | | 100 | 441 | | STEL (15 min) | WEL |

Biological Monitoring Guidance Values (EH40)

| CAS No | Substance | Parameter | Value | Test material | Sampling time |
|-----------|-------------------------------------|-----------------------------------|--------------|---------------|---------------|
| 1330-20-7 | Xylene, o-, m-, p- or mixed isomers | methyl hippuric acid (creatinine) | 650 mmol/mol | urine | Post shift |

8.2. Exposure controls
Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. After work, wash hands and face. When using do not eat or drink.

Eye/face protection

Suitable eye protection: goggles

Hand protection

Tested protective gloves must be worn.

Suitable material: NBR (Nitrile rubber).

Thickness of the glove material > 0,4mm

penetration time (maximum wearing period): > 30 min.

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EN ISO 374

Skin protection

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. Avoid contact with skin, eyes and clothes.

Respiratory protection

Use suitable breathing apparatus. Filter type: AX (for group 1 low boilers). In case of a maximum contaminant concentration in inhaled air of 100 mL/m³ (0.01 % by vol.), group 1 may be used for a maximum of 40 min. In case of a maximum contaminant concentration in inhaled air of 500 mL/m³ (0.05 % by vol.), group 1 may be used for a maximum of 20 min.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

| | |
|-----------------|----------------|
| Physical state: | Aerosol |
| Colour: | clear |
| Odour: | characteristic |

Test method

| | |
|-----------|----------------|
| pH-Value: | not applicable |
|-----------|----------------|

Changes in the physical state

| | |
|----------------|----------------|
| Melting point: | not applicable |
|----------------|----------------|

| | |
|--|----------|
| Initial boiling point and boiling range: | -24,8 °C |
|--|----------|

| | |
|--------------|----------|
| Flash point: | -42,2 °C |
|--------------|----------|

| | |
|-------------------------|------------|
| Lower explosion limits: | 1,2 vol. % |
|-------------------------|------------|

| | |
|-------------------------|-----------|
| Upper explosion limits: | 32 vol. % |
|-------------------------|-----------|

| | |
|-----------------------|--------|
| Ignition temperature: | 240 °C |
|-----------------------|--------|

| | |
|----------------------------------|-------|
| Auto-ignition temperature | > 300 |
|----------------------------------|-------|

| | |
|--------------------------------|----------|
| Vapour pressure: (at 20 °C) | 5102 hPa |
|--------------------------------|----------|

| | |
|----------|------------------------|
| Density: | 0,73 g/cm ³ |
|----------|------------------------|

| | |
|-------------------|--|
| Water solubility: | The study does not need to be conducted because the substance is known to be insoluble in water. |
|-------------------|--|

9.2. Other information

none

SECTION 10: Stability and reactivity
10.1. Reactivity

Special hazards arising from the substance or mixture. There are no data available on the mixture itself.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Pressurised container: May burst if heated. This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

10.5. Incompatible materials

Reacts with : Acid. alkali. Oxidizing agents.

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10.6. Hazardous decomposition products

none

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Acute toxicity

Based on available data, the classification criteria are not met.

| CAS No | Chemical name | | | | |
|-----------|-------------------------|---------------|----------|--------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 67-64-1 | acetone | | | | |
| | oral | LD50 mg/kg | 5800 | Rat | RTECS |
| | dermal | LD50 mg/kg | 20000 | Rabbit | IUCLID |
| | inhalation (4 h) vapour | LC50 | 76 mg/l | Rat | |
| 71-36-3 | butan-1-ol | | | | |
| | oral | ATE mg/kg | 500 | | |
| 1330-20-7 | xylene | | | | |
| | dermal | ATE mg/kg | 1100 | | |
| | inhalation vapour | ATE | 11 mg/l | | |
| | inhalation aerosol | ATE | 1,5 mg/l | | |

Irritation and corrosivity

Causes skin irritation.

Causes serious eye damage.

Sensitising effects

Contains epoxy resin (Mn <= 700), reaction product: bisphenol-A-(epichlorhydrin). May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No data available

Additional information on tests

No data available

Practical experience
Observations relevant to classification

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information

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12.1. Toxicity

No data available

| CAS No | Chemical name | | | | | |
|---------|--------------------------|--------------|-----------|---------|-------------------------|--------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 67-64-1 | acetone | | | | | |
| | Acute fish toxicity | LC50 mg/l | 5540 | 96 h | Onchorhynchus mykiss | |
| | Acute crustacea toxicity | EC50 mg/l | 6100 | 48 h | Daphnia magna | |

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|---------|---------------|---------|
| 67-64-1 | acetone | -0,24 |

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

Further information

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

List of Wastes Code - used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

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Land transport (ADR/RID)

| | |
|--|-----------------|
| 14.1. UN number: | UN 1950 |
| 14.2. UN proper shipping name: | AEROSOLS |
| 14.3. Transport hazard class(es): | 2 |
| 14.4. Packing group: | - |
| Hazard label: | 2.1 |
| Classification code: | 5F |
| Special Provisions: | 190 327 344 625 |
| Limited quantity: | 1 L |
| Excepted quantity: | E0 |
| Transport category: | 2 |
| Tunnel restriction code: | D |

Inland waterways transport (ADN)

| | |
|--|-----------------|
| 14.1. UN number: | UN 1950 |
| 14.2. UN proper shipping name: | AEROSOLS |
| 14.3. Transport hazard class(es): | 2 |
| 14.4. Packing group: | - |
| Hazard label: | 2.1 |
| Classification code: | 5F |
| Special Provisions: | 190 327 344 625 |
| Limited quantity: | 1 L |
| Excepted quantity: | E0 |

Marine transport (IMDG)

| | |
|--|-----------------------------|
| 14.1. UN number: | UN 1950 |
| 14.2. UN proper shipping name: | AEROSOLS |
| 14.3. Transport hazard class(es): | 2.1 |
| 14.4. Packing group: | - |
| Hazard label: | 2.1 |
| Special Provisions: | 63, 190, 277, 327, 344, 959 |
| Limited quantity: | 1000 mL |
| Excepted quantity: | E0 |
| EmS: | F-D, S-U |

Air transport (ICAO-TI/IATA-DGR)

| | |
|--|---------------------|
| 14.1. UN number: | UN 1950 |
| 14.2. UN proper shipping name: | AEROSOLS, flammable |
| 14.3. Transport hazard class(es): | 2.1 |
| 14.4. Packing group: | - |
| Hazard label: | 2.1 |
| Special Provisions: | A145 A167 A802 |
| Limited quantity Passenger: | 30 kg G |
| Passenger LQ: | Y203 |
| Excepted quantity: | E0 |
| IATA-packing instructions - Passenger: | 203 |
| IATA-max. quantity - Passenger: | 75 kg |
| IATA-packing instructions - Cargo: | 203 |
| IATA-max. quantity - Cargo: | 150 kg |

14.5. Environmental hazards

| | |
|----------------------------|-----|
| ENVIRONMENTALLY HAZARDOUS: | yes |
|----------------------------|-----|

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SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3: acetone

2010/75/EU (VOC): 97%; 705 g/l

2004/42/EC (VOC): 97%; 705 g/l

Subcategory according to Directive 2004/42/EC: Special finishes - All types, VOC limit value: 840 g/l

National regulatory information

Employment restrictions: Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.

Water hazard class (D): 3 - strongly hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information
Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

| Classification | Classification procedure |
|----------------------|--------------------------|
| Aerosol 1; H222-H229 | On basis of test data |
| Skin Irrit. 2; H315 | Calculation method |
| Eye Dam. 1; H318 | Calculation method |
| STOT SE 3; H336 | Calculation method |

Relevant H and EUH statements (number and full text)

| | |
|--------|---|
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H229 | Pressurised container: May burst if heated. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H411 | Toxic to aquatic life with long lasting effects. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| EUH208 | Contains epoxy resin (Mn <= 700), reaction product: bisphenol-A-(epichlorhydrin). May produce an allergic reaction. |

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be

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transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Identified uses

| No | Short title | LCS | SU | PC | PROC | ERC | AC | TF | Specification |
|----|---|-----|----|----|-------|-----|-------|----|---------------|
| 1 | Coatings and paints, thinners, paint removers | - | - | 9a | 7, 11 | 11a | 7, 7a | 91 | |

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)