

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Rohrer's Ausziehtusche Gold (29504050)

Revision date: 27.12.2016

Page 1 of 8

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

Rohrer's Ausziehtusche Gold (29504050)

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

Vegetable resin paints

1.3. Details of the supplier of the safety data sheet

| | | |
|-----------------|-------------------------|-------------------------------|
| Company name: | Rohrer & Klingner OHG | |
| Street: | Meininger Straße 1-3 | |
| Place: | D-98544 Zella-Mehlis | |
| Telephone: | +49 (0) 3682 - 469604 | Telefax: +49 (0) 3682 - 41185 |
| e-mail: | info@rohrer-klingner.de | |
| Contact person: | Röthig | |
| e-mail: | info@rohrer-klingner.de | |
| Internet: | www.rohrer-klingner.de | |

1.4. Emergency telephone number: +49 (0) 3682 – 469604 Diese Nummer ist nur zu Bürozeiten erreichbar.

Further Information

This safety data sheet was created by: ECI EnviroConsult Ingenieurbüro Dr. Lux e.K.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Indications of danger: N - Dangerous for the environment

R phrases:

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 1

Hazard Statements:

Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Signal word: Warning

Pictograms: GHS09

**Hazardous components which must be listed on the label**

zinc powder - zinc dust (stabilized)

Copper, powder

Hazard statements

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P391 Collect spillage.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Rohrer's Ausziehtusche Gold (29504050)

Revision date: 27.12.2016

Page 2 of 8

P501 Dispose of this material and its container to hazardous or special waste collection point.

2.3. Other hazards

No information available.

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

Metal powder, resin in aqueous solution

Hazardous components

| EC No | Chemical name | Quantity |
|--------------|---|-------------|
| CAS No | Classification according to Directive 67/548/EEC | |
| Index No | Classification according to Regulation (EC) No. 1272/2008 [CLP] | |
| REACH No | | |
| 231-159-6 | Copper, powder | 15 - < 20 % |
| 7440-50-8 | F - Highly flammable R11 | |
| | Flam. Sol. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 1); H228 H400 H410 | |
| 231-175-3 | zinc powder - zinc dust (stabilized) | 1 - < 5 % |
| 7440-66-6 | N - Dangerous for the environment R50-53 | |
| 030-001-01-9 | Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1 (M-Factor = 1); H400 H410 | |
| 203-473-3 | ethanediol, ethylene glycol | <5 % |
| 107-21-1 | Xn - Harmful R22 | |
| 603-027-00-1 | Acute Tox. 4; H302 | |
| 215-125-8 | Diboron trioxide; boric oxide | < 1 % |
| 1303-86-2 | Repr. Cat. 2 R60-61 | |
| 005-008-00-8 | Repr. 1B; H360FD | |

Full text of R-, H- and EUH-phrases: see section 16.

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

Provide fresh air.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of water.

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

No information available.

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

Treat symptomatically.

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Rohrer's Ausziehtusche Gold (29504050)

Revision date: 27.12.2016

Page 3 of 8

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

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**

Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

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

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

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

Keep container tightly closed.

Advice on storage compatibility

No special measures are necessary.

7.3. Specific end use(s)

Vegetable resin paints

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

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|-----------|-------------------------|-----|-------------------|-----------|---------------|--------|
| 1303-86-2 | Diboron trioxide | - | 10 | | TWA (8 h) | WEL |
| | | - | 20 | | STEL (15 min) | WEL |
| 107-21-1 | Ethane-1,2-diol, vapour | 20 | 52 | | TWA (8 h) | WEL |
| | | 40 | 104 | | STEL (15 min) | WEL |

8.2. Exposure controls

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Rohrer's Ausziehtusche Gold (29504050)

Revision date: 27.12.2016

Page 4 of 8

Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection

Wear eye/face protection.

Skin protection

Wear suitable protective clothing.

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

| | |
|-----------------|----------------|
| Physical state: | liquid |
| Colour: | golden |
| Odour: | characteristic |

| | | |
|----------------------|---------------|--------------------|
| pH-Value (at 20 °C): | 8 - 8,3 (50%) | Test method |
|----------------------|---------------|--------------------|

Changes in the physical state

| | |
|--|----------------|
| Melting point: | not determined |
| Initial boiling point and boiling range: | 100 °C |

Flammability

| | |
|-------------------------|----------------|
| Solid: | not determined |
| Gas: | not applicable |
| Lower explosion limits: | not determined |
| Upper explosion limits: | not determined |

Auto-ignition temperature

| | |
|--------|----------------|
| Solid: | not determined |
| Gas: | not applicable |

Oxidizing properties

Not oxidizing.

| | |
|-------------------------------|-----------------------|
| Vapour pressure: | not determined |
| Density (at 20 °C): | 1,2 g/cm ³ |
| Water solubility: | completely miscible |
| Solubility in other solvents: | not determined |
| Partition coefficient: | not determined |
| Vapour density: | not determined |
| Evaporation rate: | not determined |
| Solvent content: | 3,00 % |

9.2. Other information

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Rohrer's Ausziehtusche Gold (29504050)

Revision date: 27.12.2016

Page 5 of 8

Solid content:

~20%

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

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

none

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

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

| CAS No | Chemical name | | | | |
|-----------|-------------------------------|--------|-------------|---------|---|
| | Exposure routes | Method | Dose | Species | h |
| 107-21-1 | ethanediol, ethylene glycol | | | | |
| | Acute oral toxicity | ATE | 500 mg/kg | | |
| | Acute dermal toxicity | LD50 | 10600 mg/kg | Rabbit | |
| 1303-86-2 | Diboron trioxide; boric oxide | | | | |
| | Acute oral toxicity | LD50 | 3163 mg/kg | Mice | |

Additional information on tests

This mixture is classified as hazardous according to 1999/45/EC.

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

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

| CAS No | Chemical name | | | | |
|-----------|-------------------------------|--------|----------------|---------------|------|
| | Aquatic toxicity | Method | Dose | Species | h |
| 7440-50-8 | Copper, powder | | | | |
| | Acute fish toxicity | LC50 | 0,665 mg/l | | 96 h |
| | Acute algae toxicity | ErC50 | 0,57 mg/l | | 72 h |
| | Acute crustacea toxicity | EC50 | 0,02 mg/l | | 48 h |
| 1303-86-2 | Diboron trioxide; boric oxide | | | | |
| | Acute crustacea toxicity | EC50 | 370 - 490 mg/l | Daphnia Magna | 48 h |

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Rohrer's Ausziehtusche Gold (29504050)

Revision date: 27.12.2016

Page 6 of 8

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|----------|-----------------------------|---------|
| 107-21-1 | ethanediol, ethylene glycol | -1,36 |

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

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

Contaminated packaging

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

SECTION 14: Transport information**Land transport (ADR/RID)**

| | |
|---|---|
| <u>14.1. UN number:</u> | 3082 |
| <u>14.2. UN proper shipping name:</u> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| <u>14.3. Transport hazard class(es):</u> | 9 |
| <u>14.4. Packing group:</u> | III |
| Hazard label: | 9 |
| Classification code: | M6 |
| Special Provisions: | 274 335 601 |
| Limited quantity: | 5 L |
| Transport category: | 3 |
| Hazard No: | 90 |
| Tunnel restriction code: | E |

Inland waterways transport (ADN)

| | |
|---|---|
| <u>14.1. UN number:</u> | 3082 |
| <u>14.2. UN proper shipping name:</u> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| <u>14.3. Transport hazard class(es):</u> | 9 |
| <u>14.4. Packing group:</u> | III |
| Hazard label: | 9 |
| Classification code: | M6 |
| Special Provisions: | 274 335 601 |

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Rohrer's Ausziehtusche Gold (29504050)

Revision date: 27.12.2016

Page 7 of 8

Limited quantity: 5 L

Marine transport (IMDG)

14.1. UN number: 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9
Special Provisions: 274, 335
Limited quantity: 5 L
EmS: F-A, S-F

Air transport (ICAO)

UN/ID number: 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9
Special Provisions: A97 A158
Limited quantity Passenger: 30 kg G
IATA-packing instructions - Passenger: 964
IATA-max. quantity - Passenger: 450 L
IATA-packing instructions - Cargo: 964
IATA-max. quantity - Cargo: 450 L

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable

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

1999/13/EC (VOC): 3 % (36 g/l)

National regulatory information

Employment restrictions: Observe employment restrictions for young people.
Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Rohrer's Ausziehtusche Gold (29504050)

Revision date: 27.12.2016

Page 8 of 8

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Relevant R-phrases (Number and full text)

- 11 Highly flammable.
- 22 Harmful if swallowed.
- 50 Very toxic to aquatic organisms.
- 53 May cause long-term adverse effects in the aquatic environment.
- 60 May impair fertility.
- 61 May cause harm to the unborn child.

Relevant H- and EUH-phrases (Number and full text)

- H228 Flammable solid.
- H302 Harmful if swallowed.
- H360FD May damage fertility. May damage the unborn child.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

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 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.

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