



Safety Data Sheet

REIMBOLD & STRICK

according to Regulation (EC) No 1907/2006

KGS 51

Print date: 23.09.2015

Product code: KGS-51

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

KGS 51

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

Use of the substance/mixture

Industrial uses

1.3. Details of the supplier of the safety data sheet

Company name: REIMBOLD & STRICK
Handels- und Entwicklungsgesellschaft für chemisch-keramische Produkte mbh
Street: Hansestr. 70
Place: D-51149 Köln
Post-office box: 92 04 35
D-51154 Köln
Telephone: +49 (0)2203 89850
Telefax: +49 (0) 2203 8985-260
e-mail: info@reimbold-und-strick.de
Internet: www.reimbold-und-strick.de

1.4. Emergency telephone number:

Giftnotruf Berlin 030 30686 790 Beratung in Deutsch und Englisch (24h Mo-So)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard categories:

Specific target organ toxicity - repeated exposure: STOT RE 2

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

May cause damage to organs (lungs) through prolonged or repeated exposure if inhaled.

Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazardous components which must be listed on the label

Quartz (fine fraction)

Signal word: Warning

Pictograms: GHS08-GHS09



Hazard statements

H373 May cause damage to organs (lungs) through prolonged or repeated exposure if inhaled.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P314 Get medical advice/attention if you feel unwell.
P391 Collect spillage.
P501 Dispose of contents/container to an approved waste disposal company.



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2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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 | | |
| 215-222-5 | zinc oxide | |
| 1314-13-2 | N - Dangerous for the environment R50-53 | 5 - < 10 % |
| 030-013-00-7 | Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1 (M-Factor = 1); H400 H410 | |
| 01-2119463881-32 | | |
| 238-878-4 | Quartz (fine fraction) | |
| 14808-60-7 | Xn - Harmful R48/20 | 1 - < 5 % |
| | STOT RE 1; H372 | |

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

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



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6.1. Personal precautions, protective equipment and emergency procedures

Avoid generation of dust. Do not breathe dust.

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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls



Protective and hygiene measures

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

Eye/face protection

Toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Wear eye/face protection.

Hand protection

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.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|-----------|
| Physical state: | Powder |
| Colour: | beige |
| Odour: | odourless |

Test method

| | |
|-----------|----------------|
| pH-Value: | not determined |
|-----------|----------------|

Changes in the physical state

| | |
|--|----------------|
| Melting point: | not determined |
| Initial boiling point and boiling range: | not determined |
| Flash point: | not applicable |

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 |

| | |
|----------------------------|----------------|
| Decomposition temperature: | not determined |
|----------------------------|----------------|

Oxidizing properties

Not oxidizing.

| | |
|------------------|----------------|
| Vapour pressure: | not determined |
|------------------|----------------|

| | |
|----------|----------------|
| Density: | not determined |
|----------|----------------|

Solubility in other solvents

not determined

| | |
|------------------------|----------------|
| Partition coefficient: | not determined |
|------------------------|----------------|

| | |
|-----------------|----------------|
| Vapour density: | not determined |
|-----------------|----------------|

| | |
|-------------------|----------------|
| Evaporation rate: | not determined |
|-------------------|----------------|

9.2. Other information

| | |
|----------------|----------------|
| Solid content: | not determined |
|----------------|----------------|

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.



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10.6. Hazardous decomposition products

No known hazardous decomposition products.

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 routes | Method | Dose | Species | Source |
| 1314-13-2 | zinc oxide | | | | |
| | oral | LD50 | 15000 mg/kg | Rat | |
| | inhalative (4 h) aerosol | LC50 | 5,7 mg/l | | |

Irritation and corrosivity

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

Sensitising effects

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

STOT-single exposure

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

Severe effects after repeated or prolonged exposure

May cause damage to organs (lungs) through prolonged or repeated exposure if inhaled.

Carcinogenic/mutagenic/toxic effects for reproduction

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

Aspiration hazard

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

Additional information on tests

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

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

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods



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Advice on disposal

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

Waste disposal number of waste from residues/unused products


101212 WASTES FROM THERMAL PROCESSES; wastes from manufacture of ceramic goods, bricks, tiles and construction products; wastes from glazing other than those mentioned in 10 12 11

Contaminated packaging


Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 3077
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9

Classification code: M7
Special Provisions: 274 335 601
Limited quantity: 5 kg
Transport category: 3
Hazard No: 90
Tunnel restriction code: E
Other applicable information (land transport)
E1

Inland waterways transport (ADN)

14.1. UN number: UN 3077
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9

Classification code: M7
Special Provisions: 274 335 601
Limited quantity: 5 kg
Other applicable information (inland waterways transport)
E1

Marine transport (IMDG)

14.1. UN number: UN 3077
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
14.3. Transport hazard class(es): 9
14.4. Packing group: III



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Hazard label:

9



Special Provisions:

274, 335, 966, 967

Limited quantity:

5 kg

EmS:

F-A, S-F

Other applicable information (marine transport)

E1

Air transport (ICAO)

14.1. UN number:

UN 3077

14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

14.3. Transport hazard class(es):

9

14.4. Packing group:

III

Hazard label:

9



Special Provisions:

A97 A158 A179

Limited quantity Passenger:

30 kg G

IATA-packing instructions - Passenger:

956

IATA-max. quantity - Passenger:

400 kg

IATA-packing instructions - Cargo:

956

IATA-max. quantity - Cargo:

400 kg

Other applicable information (air transport)

E1

Y956

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:

yes



Danger releasing substance:

Zinc oxide

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

Additional information

To follow: 850/2004/EC , 79/117/EEC , 689/2008/EC

National regulatory information

Water contaminating class (D):

2 - water contaminating

15.2. Chemical safety assessment

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



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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
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Relevant R-phrases (Number and full text)

48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
50 Very toxic to aquatic organisms.
53 May cause long-term adverse effects in the aquatic environment.

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

H372 Causes damage to organs (lungs) through prolonged or repeated exposure if inhaled.
H373 May cause damage to organs (lungs) through prolonged or repeated exposure if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 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.)