

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.05.2017

Version number 3

Revision: 24.05.2017

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

1.1 Product identifier

Trade name: RASCOflex GT220 A-Comp
MSDS No: KS010100

1.2 Relevant identified uses of the substance or mixture and uses advised against:
This product is only for industrial and professional uses.

1.3 Details of the supplier of the safety data sheet

Rascor International Ltd.

Gewerbestrasse 4
CH-8162 Steinmaur (Switzerland)
Phone +41 (0) 44 857 11 11
Fax +41 (0) 44 857 11 00

Rascor Tunnel- und Spezialtiefbau GmbH

Ratgasse 6
DE-97688 Bad Kissingen (Germany)
Phone +49 (0) 971 130 2738
Fax +49 (0) 971 133 6251

Further information obtainable from:

Phone: +41 (0) 44 857 11 11 (Mon-Thu: 8 am - 5 pm, Fri: 8am - 4 pm)
Email: info@rascor.com

1.4 Emergency telephone number: Phone (CH) +41 (0) 44 251 51 51, Phone (DE) +49 (0)551 19240

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 The product is not classified according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void
Signal word Void

Hazard statements Void

Precautionary statements

P261 Avoid breathing 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.
P410 Protect from sunlight.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

3 Composition/information on ingredients

3.2 Chemical characterization: Mixtures

Description:

Mixture: consisting of the following components.

CAS: 7631-86-9	silicon dioxide, chemically prepared	5-55%
EINECS: 231-545-4		
Reg.nr.: 01-2119379499-16-0065		
CAS: 7732-18-5	water, distilled, conductivity or of similar purity	45-95%
EINECS: 231-791-2		

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Dangerous components: Void

4 First aid measures

4.1 Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately rinse with water.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Firefighting measures

5.1 Extinguishing media Use fire extinguishing methods suitable to surrounding conditions.

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment: No special measures required.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing.

6.2 Environmental precautions: Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4 Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

7.1 Precautions for safe handling

Keep receptacles tightly sealed.

No special measures required.

Information about fire - and explosion protection: The product is not flammable.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Protect from frost.

Protect from exposure to the light.

Storage class: 12

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7.3 Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs

7631-86-9 silicon dioxide, chemically prepared

Inhalative DNEL 4 mg/m³ (hum)

PNECs

7631-86-9 silicon dioxide, chemically prepared

PNEC aqua (fw) n.a. mg/L (freshwater)

PNEC aqua (ir) n.a. mg/L (intermittent release)

PNEC aqua (mw) n.a. mg/L (marine water)

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures: Use skin protection cream for skin protection.

Respiratory protection: Not required.

Protection of hands:

Protective gloves and protective skin cream

Preventive skin protection by use of skin-protecting agents is recommended.

Material of gloves

Nitrile rubber, NBR

Butyl rubber, BR

Recommended thickness of the material: ≥ 0.35 mm

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

As protection from splashes gloves made of the following materials are suitable:

Nitrile rubber, NBR

Butyl rubber, BR

Not suitable are gloves made of the following materials:

Strong material gloves

Leather gloves

Eye protection: Goggles recommended during refilling

Body protection: Protective work clothing

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Dispersion
Colour:	Opaque
Odour:	Odourless
Odour threshold:	Not applicable.

pH-value at 20 °C: 8.0 - 10.6

Change in condition

Melting point/Melting range:	0 °C (water)
Boiling point/Boiling range:	100 °C (water)

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Flash point:	Not applicable.
Flammability (solid, gaseous):	Not applicable.
Decomposition temperature:	Not determined.
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure at 20 °C:	23 hPa
Density at 20 °C:	1.15 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Fully miscible.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic at 20 °C:	40 mPas
Kinematic:	Not determined.
Solvent content:	
Solids content:	< 55 %
9.2 Other information	No further relevant information available.

10 Stability and reactivity

10.1 Reactivity

10.2 Chemical stability No decomposition if used and stored according to specifications.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

7631-86-9 silicon dioxide, chemically prepared

Oral LD50 >10000 mg/kg (rat)

Dermal LD50 >5000 mg/kg (rabbit)

Inhalative LC50/4 h >2080 mg/m³ (rat)

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Primary irritant effect:
on the skin:

7631-86-9 silicon dioxide, chemically prepared

Irritation of skin IS 0 (rabbit) (OECD 404)
not irritating

on the eye:

7631-86-9 silicon dioxide, chemically prepared

Irritation of eyes IS 0 (rabbit) (OECD 405)
not irritating

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

Repeated dose toxicity

7631-86-9 silicon dioxide, chemically prepared

Oral NOAEL 4500 mg/(kg bw d) (mice) (OECD 452/453)
2000 mg/(kg bw d) (rat) (OECD 452/453)

NOEL 8000 mg/(kg d) (rat) (OECD 408)

Inhalative LOAEC 25.1 mg/m³ (rat) (OECD 412 (5 d))

NOAEC 5.13 mg/m³ (rat) (OECD 412 (5 d))

NOAEL 1 mg/m³ (hum)

NOEC 0.94 mg/m³ (rat) (OECD 412 (5 d))

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

7631-86-9 silicon dioxide, chemically prepared

AMES Test >5 mg/plate (in-vitro) (OECD 471)
negative with and without metabolic activation

NOAEL fertility 500 mg/(kg bw d) (rat) (6 months)

NOAEL teratogenicity 1600 mg/(kg bw d) (rabbit) (OECD 414)

* 12 Ecological information

12.1 Toxicity**Aquatic toxicity:****7631-86-9 silicon dioxide, chemically prepared**

EL0/24 h 1000 mg/L (daphnia)

EL50/24 h >10000 mg/L (daphnia)

EL50/72 h >10000 mg/L (scenedesmus subspicatus)

LL0/96 h 10000 mg/L (brachydanio rerio)

PNEC aqua n.a. mg / L (-)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes: Generally not hazardous for water

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

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vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

13 Disposal considerations

13.1 Waste treatment methods

Recommendation Contact waste processors for recycling information.

European waste catalogue

06 08 99 wastes not otherwise specified

15 01 02 plastic packaging

15 01 04 metallic packaging

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

14 Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Void

14.4 Packing group

ADR, IMDG, IATA

Void

14.5 Environmental hazards:

Marine pollutant:

No

14.6 Special precautions for user

Not applicable.

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

Not applicable.

Transport/Additional information:

Not dangerous according to the above specifications.

UN "Model Regulation":

-

15 Regulatory information

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

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Precautionary statements

P261 Avoid breathing 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.

P410 Protect from sunlight.

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P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing MSDS: KS-F**Contact:** Dr. F. Roelofs**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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 (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

* Data compared to the previous version altered.

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