



Safety Data Sheet

according to REACH Regulation (EC) No 1907/2006 and updated
Regulation (EC) No 2020/878

Sicoflex S299 BLACK

Revision date: 05.03.2024

Product code: S299_BK

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

1.1. Product identifier

Sicoflex S299 BLACK

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

Use of the substance/mixture

Manufacturing of plastic articles and goods including compounding and conversion, eventually recycling.

1.3. Details of the supplier of the safety data sheet

Company name: Ravago Distribution Center NV
Street: Moerenstraat 85 A
Place: B 2370 Arendonk
Telephone: +32 (0) 14672511 Telefax: +32 (0) 14672012
e-mail: sdsinfo@ravago.com
Internet: www.ravago.com

1.4. Emergency telephone number:

+32(0)14672511
Only during office hours (8 am - 5 pm)

Further Information

Type of use: Injection moulding. blow moulding. Extrusion. Compression moulding.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

2.2. Label elements

2.3. Other hazards

The hazards of this product are mainly associated with its processing.
See section 11 for more detailed information on health effects and symptoms.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Thermoplastic polymer (ABS-GF)

Hazardous components

| CAS No | Chemical name | | | Quantity |
|------------|------------------------------------|----------|----------|----------|
| | EC No | Index No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| 65997-17-3 | Glass fiber, not respirable | | | 10-30 % |
| | 266-046-0 | | | |
| | | | | |

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

Further Information

This mixture does not contain any substances presenting a health or environmental hazard within the means of Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.



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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection!
Provide adequate ventilation.

After inhalation

Provide adequate ventilation.
In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.
Consult physician.

After contact with skin

The melted product can cause severe burns.
Do not use force or solvents to remove product incrustations from affected skin areas.
After contact with molten product, cool skin area rapidly with cold water.
Consult physician.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Consult physician.

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

Burns caused by molten material must be treated clinically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water and Foam. Carbon dioxide (CO₂). Extinguishing powder. alcohol resistant foam. Sand.

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Carbon dioxide., Carbon monoxide, hydrocarbons. Nitrogen oxides (NO_x).

5.3. Advice for firefighters

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

Additional information

No information available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

High slip hazard because of leaking or spilled product. (Granulate)

For non-emergency personnel

No information available.

For emergency responders

No information available.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.



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6.3. Methods and material for containment and cleaning up

For containment

No information available.

For cleaning up

No information available.

Other information

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal. Do not empty into drains.

6.4. Reference to other sections

Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide adequate ventilation. Equipment with built-in suction provisions.

Advice on protection against fire and explosion

Provide earthing of containers, equipment, pumps and ventilation facilities. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Dust can form an explosive mixture with air. Dust should be exhausted directly at the point of origin.

Advice on general occupational hygiene

When using do not eat, drink or smoke. Do not breathe dust.

Further information on handling

No information available.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in a cool place.

Provide adequate ventilation.

Hints on joint storage

storage stability:

storage temperature: < 40 °C

Further information on storage conditions

No information available.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|-----------|--------------|-----|-------------------|-----------|---------------|--------|
| 1333-86-4 | Carbon black | - | 3.5 | | TWA (8 h) | WEL |
| | | - | 7 | | STEL (15 min) | WEL |

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DNEL/DMEL values

| CAS No | Substance | | | |
|--------------------------|----------------|----------|------------------------|-------|
| DNEL type | Exposure route | | Effect | Value |
| 1333-86-4 | Carbon black | | | |
| Consumer DNEL, long-term | inhalation | systemic | 0,06 mg/m ³ | |
| Worker DNEL, long-term | inhalation | systemic | 1 mg/m ³ | |

PNEC values

| CAS No | Substance | | | |
|---------------------------|--------------|--|--|---------|
| Environmental compartment | | | | Value |
| 1333-86-4 | Carbon black | | | |
| Freshwater | | | | 50 mg/l |

Additional advice on limit values

For some additives used in this product exposure limits exist. However, they are incorporated in the product and under normal processing conditions no exposure is to be expected.

8.2. Exposure controls**Appropriate engineering controls**

Provide adequate ventilation as well as local exhausts at critical locations.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Wear eye/face protection.

Hand protection

Wear suitable gloves.

Skin protection

Only wear fitting, comfortable and clean protective clothing.

In case of increasing hazard add: heat-resistant synthetic fibres

Respiratory protection

Respiratory protection necessary at: In the case of the formation of dust (half-mask with filter (DIN EN 149).)

Thermal hazards

No information available.

Environmental exposure controls

No information available.

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

| | | |
|---|---------------------------|--|
| Physical state: | solid (Granulate) | |
| Colour: | black | |
| Odour: | odourless to mild | |
| Melting point/freezing point: | 105-130 °C | |
| Boiling point or initial boiling point and boiling range: | not applicable | |
| Flammability: | No information available. | |
| Lower explosion limits: | not applicable | |
| Upper explosion limits: | not applicable | |
| Flash point: | not applicable | |
| Auto-ignition temperature: | not applicable | |
| Decomposition temperature: | > 250 °C | |



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| | |
|--|------------------------------|
| pH-Value: | not applicable |
| Viscosity / kinematic: | not applicable |
| Water solubility: | insoluble |
| Partition coefficient n-octanol/water: | not applicable |
| Vapour pressure: | not applicable |
| Density: | 1.02-1.20 g/cm ³ |
| Bulk density: | 600 - 1000 kg/m ³ |
| Relative vapour density: | not applicable |

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

In the case of the formation of dust: Dust explosive.

Self-ignition temperature

Solid:

No information available.

Oxidizing properties

not applicable

Other safety characteristics

Further Information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Temperatures above thermal decomposition.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Carbon dioxide., Carbon monoxide, hydrocarbons. Nitrogen oxides (NOx)

Further information

No information available.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Toxicocinetics, metabolism and distribution

No information available.

Acute toxicity

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

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.

Carcinogenic/mutagenic/toxic effects for reproduction



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

STOT-single exposure

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

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.

Information on likely routes of exposure

No information available.

Specific effects in experiment on an animal

No information available.

Additional information on tests

No information available.

Practical experience

No information available.

11.2. Information on other hazards

Endocrine disrupting properties

No information available.

Other information

No information available.

Further information

When used and handled according to the specifications, this product does not have any harmful effects to human health according to our experience and the information available. Contact the manufacturer in case the material is to be used in special applications such as in contact with food or for hygiene, medical or surgical end-use.

SECTION 12: Ecological information

12.1. Toxicity

Insoluble in: Water.

12.2. Persistence and degradability

According to experiences this product is inert and not degradable.

12.3. Bioaccumulative potential

Due to the consistency along with the low water solubility of the product a bioavailability is unlikely.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods



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Disposal recommendations

Material recycling possible.

Consult the appropriate local waste disposal expert about waste disposal.

Contaminated packaging

No information available.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Other applicable information (marine transport)

No information available.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Other applicable information (air transport)

No information available.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Danger releasing substance: No information available.

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

Other applicable information

No information available.

SECTION 15: Regulatory information

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

EU regulatory information

2010/75/EU (VOC): 0%

2004/42/EC (VOC): 0%

National regulatory information

Water hazard class (D): - - non-hazardous to water



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Additional information

No information available.

15.2. Chemical safety assessment

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

SECTION 16: Other information

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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