

**Safety Data Sheet**

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

Sicoflex S454 GREY

Revision date: 28.05.2025

Product code: S454GREY

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

Sicoflex S454 GREY

Further trade names

Sicoflex S454 COLOR

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.

Uses advised against

No information available.

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

+32(0)14672511

number:

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****CLP Regulation**

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

2.2. Label elements**CLP Regulation****Special labelling of certain mixtures**

EUH210 Safety data sheet available on request.

EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

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)

Hazardous components

none (according to UK REACH Regulation)

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

No information available.

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 should be exhausted directly at the point of origin. Dust can form an explosive mixture with air.

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

Shelf-life / year(s): 2 years

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
13463-67-7	Titanium dioxide, respirable	-	4		TWA (8 h)	WEL

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DNEL/DMEL values

CAS No	Substance	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	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 exhaust 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:	grey
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 (NO_x)

Further information

No information available.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in CLP Regulation****Toxicokinetics, 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**

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

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**

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

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

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13.1. Waste treatment methods**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.

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.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

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.

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**15.2. Chemical safety assessment**

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

SECTION 16: Other information



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Relevant H and EUH statements (number and full text)

- EUH210 Safety data sheet available on request.
EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

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.)