

**Safety Data Sheet**according to REACH Regulation (EC) No 1907/2006 and updated
Regulation (EC) No 2020/878**Sicoflex 469 BLACK**

Revision date: 10.05.2024

Product code: 469BLACK

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

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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**

Carc. 2; H351

Full text of hazard statements: see SECTION 16.

2.2. Label elements**Additional advice on labelling**

For this product, a hazard label is not required according to section 1.3.4 of Annex I of the CLP regulation.

2.3. Other hazardsThe 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-FR)

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
1309-64-4	antimony trioxide			1-5 %
	215-175-0	051-005-00-X	01-2119475613-35	
	Carc. 2; H351			

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

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Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
1309-64-4	215-175-0	antimony trioxide	1-5 %
		oral: LD50 = > 34600 mg/kg	

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). Bromine hydrogen (HBr).

5.3. Advice for firefighters

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

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.

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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.

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.

Advice on protection against fire and explosion

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Provide earthing of containers, equipment, pumps and ventilation facilities.

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	Antimony and compounds except stibine (as Sb)	-	0.5		TWA (8 h)	WEL
	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 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).)

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:	110-135 °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:	> 240 °C	
pH-Value:	not applicable	
Viscosity / kinematic:	not applicable	
Water solubility:	insoluble	
Partition coefficient n-octanol/water:	not applicable	
Vapour pressure:	not applicable	



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Density: 1.18-1.24 g/cm³
Bulk density: 600 - 1000 kg/m³
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.

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.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1309-64-4	antimony trioxide				
	oral	LD50 mg/kg	> 34600	Rat	IUCLID

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.

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Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of causing cancer. (antimony trioxide)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: 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.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
1309-64-4	antimony trioxide					
	Acute fish toxicity	LC50 > 1000 mg/l	96 h	Danio rerio		
	Acute crustacea toxicity	EC50 > 1000 mg/l	48 h	Daphnia magna		

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.



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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.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

Material recycling possible.

Refer to manufacturer or supplier for information on recovery or recycling.

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

Restrictions on use (REACH, annex XVII):

Entry 75

2010/75/EU (VOC): 0%

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2004/42/EC (VOC): 0%

National regulatory information**15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:
antimony trioxide

SECTION 16: Other information**Classification for mixtures and used evaluation method according to GB CLP Regulation**

Classification	Classification procedure
Carc. 2; H351	Calculation method

Relevant H and EUH statements (number and full text)

H351 Suspected of causing cancer.

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.)