

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Sicoflex S460 BLACK**

Revision date: 01.07.2022

Product code: S460\_BK

Page 1 of 7

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

Sicoflex S460 BLACK

**Further trade names**

Sicoflex S460 F

Sicoflex S460 L

**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**

+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****Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

**2.2. Label elements****Regulation (EC) No. 1272/2008****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)

**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.

**SECTION 4: First aid measures****4.1. Description of first aid measures**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Sicoflex S460 BLACK**

Revision date: 01.07.2022

Product code: S460\_BK

Page 2 of 7

**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 (CO<sub>2</sub>). 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<sub>x</sub>).  
Styrene

**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 measures**

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

**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 cleaning up**

Take up mechanically. Collect in closed and suitable containers for disposal.

**Other information**

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

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Sicoflex S460 BLACK**

Revision date: 01.07.2022

Product code: S460\_BK

Page 3 of 7

**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.

**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: &lt; 40 °C

**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 <sup>3</sup>	fibres/ml	Category	Origin
1333-86-4	Carbon black	-	3.5		TWA (8 h)	WEL
		-	7		STEL (15 min)	WEL

**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/m³
Worker DNEL, long-term		inhalation	systemic	1 mg/m³

**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.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Sicoflex S460 BLACK**

Revision date: 01.07.2022

Product code: S460\_BK

Page 4 of 7

**Protective and hygiene measures**

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

**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	
pH-Value:		not applicable

**Changes in the physical state**

Melting point:	105-130 °C
Boiling point or initial boiling point and boiling range:	not applicable
Flash point:	not applicable

**Flammability**

Solid/liquid: No information available.

**Explosive properties**

In the case of the formation of dust Dust explosive.

Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Auto-ignition temperature:	not applicable

**Self-ignition temperature**

Solid: No information available.

Decomposition temperature: &gt; 250 °C

**Oxidizing properties**

not applicable

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

**9.2. Other information**

No information available.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Sicoflex S460 BLACK**

Revision date: 01.07.2022

Product code: S460\_BK

Page 5 of 7

**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**

Oxidising agent, strong

**10.6. Hazardous decomposition products**

Carbon dioxide, Carbon monoxide, hydrocarbons.  
Styrene

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****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**

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.

**11.2. Information on other hazards****Endocrine disrupting properties**

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.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Sicoflex S460 BLACK**

Revision date: 01.07.2022

Product code: S460\_BK

Page 6 of 7

**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**

No information available.

**12.6. Endocrine disrupting properties**

No information available.

**12.7. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Material recycling possible.

Consult the appropriate local waste disposal expert about waste disposal.

**SECTION 14: Transport information****Land transport (ADR/RID)****14.1. UN 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:**

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:**

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:**

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.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Sicoflex S460 BLACK**

Revision date: 01.07.2022

Product code: S460\_BK

Page 7 of 7

**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**

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

**15.2. Chemical safety assessment**

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

**SECTION 16: Other information****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.)*