

according to WHMIS

PANOX®A100 (PANOX EEA)

Print date: 30.07.2018

Product code: OB_INV1031014

Revision date: 12.07.2018

1. Identification**Product identifier**

PANOX®A100 (PANOX EEA)

Product group: fibers

Relevant identified uses of the substance or mixture and uses advised against**Details of the supplier of the safety data sheet**

Company name:	SGL Carbon Fibers Ltd.	
	Location: Muir Of Ord, Ind. Est.	
Street:	Great North Road	
Place:	GB-IV6 7UA Muir Of Ord	
Telephone:	+44 (0)1463-27-4105	Telefax: 44+ (0)1463-27-1470
e-mail:	sds@uk.sglcarbon.de	
Contact person:	Richard Miller	Telephone: +44 (0)1463-27-4152
Internet:	http://www.sglcarbon.com	

Emergency telephone number: +49 (89) 19240 (Poison control center - TU Muenchen)**2. Hazard identification****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.

Classification according to Regulation (EC) No 1272/2008 [CLP]: not relevant

Label elements**3. Composition/information on ingredients****Mixtures****Chemical characterization**

EEA

4. First-aid measures**Description of first aid measures****General information**

none

After inhalation

Provide fresh air.

After contact with skin

Gently wash with plenty of soap and water.

Fibers may cause skin irritation.

After contact with eyes

Rinse cautiously with water for several minutes.

After ingestion

Rinse mouth immediately and drink plenty of water.

Indication of immediate medical attention and special treatment needed

none

5. Fire-fighting measures**Extinguishing media**

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Suitable extinguishing mediaFoam. Carbon dioxide (CO₂). Extinguishing powder water spray**Unsuitable extinguishing media**

High power water jet.

Specific hazards arising from the hazardous productIn case of fire may be liberated: Carbon dioxide (CO₂). Carbon monoxide Hydrogogen Cyanide (HCN)**Special protective equipment and precautions for fire-fighters**

In case of insufficient ventilation, wear suitable respiratory equipment. [EN 12021]

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Avoid dust formation.

Wear personal protection equipment (refer to section 8). Avoid dust formation. Further remarks: Section 8

For emergency personal:

Wear personal protection equipment (refer to section 8). [DIN EN 469, EN 12021]

Environmental precautions

none

Methods and material for containment and cleaning up

Take up mechanically.

Reference to other sections

Additional information Section 8 and 13

7. Handling and storage**Precautions for safe handling****Advice on protection against fire and explosion**

Dust should be exhausted directly at the point of origin.

Further remarks: Section 9 (Other information)

Further information on handling

Section 8.2 "General protection and hygiene measures:"

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

none

Advice on storage compatibility

none

Further information on storage conditions

none

8. Exposure controls/Personal protection**Control parameters****Additional advice on limit values**

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Worker, industry. and Worker, professional. :

DNEL/DMEL (inhalation.) : 10 mg/m³**Exposure controls****Appropriate engineering controls**Dust: 10 mg/m³ (inhalable); 1.25 mg/m³ (alveolar) [TRGS 900]

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Procedures to check the limit monitoring: [DIN EN 481].

Protective and hygiene measures

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Do not use a brush or compressed air for cleaning surfaces or clothing. Use approved industrial vacuum cleaner for removal.

Protect skin by using skin protective cream.

Eye/face protection

Dust protection goggles.

Hand protection

Suitable gloves type:

NR (natural rubber, natural latex) NBR (Nitrile rubber) Butyl caoutchouc (butyl rubber)

Skin protection

Recommendation Protective suit.

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. [EN 14387]

Half-face mask or quarter facepiece: maximum use concentration for substances with exposure limits: P1 filter: up to a max. of 4 times the exposure limit. P2 filter: up to a max. of 10 times the exposure limit. P3 filter: up to a max. of 30 times the expo.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state:	solid
Colour:	grey / black
Odour:	none

Test method

pH-Value:	not applicable
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Changes in the physical state

Melting point:	not applicable
Initial boiling point and boiling range:	not applicable
Sublimation point:	not applicable
Softening point:	not applicable
Flash point:	not applicable

Flammability

Solid:	not applicable
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Explosive properties

not explosive.

Lower explosive limits:	not applicable
Upper explosive limits:	not applicable
Ignition temperature:	none

Auto-ignition temperature

Solid:	none
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Oxidizing properties

none

Vapour pressure:	not applicable
Density (at 20 °C):	~ 1.4 g/cm³

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Water solubility: 0.0047 g/L OECD 105 / EU A.6
(at 20 °C)
Partition coefficient: not applicable
Viscosity / dynamic: not applicable

Other information

Carbon fibers are electrically conductive.
Carbon Fibre are non-combustible; DIN4102-1 (tested temperature: 1050 °C)

10. Stability and reactivity**Conditions to avoid**

none

Incompatible materials

none

Hazardous decomposition products

none

Further information

none

11. Toxicological information**Information on toxicological effects****Toxicokinetics, metabolism and distribution**

No toxic data available.

Acute toxicity

Based on available data the classification criteria are not met.

Acute toxicity (oral): LD50: > 2000 mg/kg bw/day [Rat] (OECD 423)

Acute toxicity (dermal): No data available

Acute toxicity (inhalative): No data available

Subacute oral toxicity (Rat) OECD 422 :

859 mg/kg bw/day (male)

1051 mg/kg bw/day (female pre-mating)

994 mg/kg bw/day (female gestation)

1521 mg/kg bw/day (female lactation)

Irritation and corrosivity

Skin corrosion/irritation: Not an irritant. [Rat] (OECD 404)

Irritant effect on the eye: Not an irritant. [Rabbit] (OECD 405)

Sensitizing effects

Respiratory or skin sensitisation:

Severe effects after repeated or prolonged exposure

STOT-RE

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.

Aspiration hazard

No data available

Specific effects in experiment on an animal

STOT-RE

Based on available data the classification criteria are not met.

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12. Ecological information**Ecotoxicity**

Acute (short-term) fish toxicity: LC50: > 100 mg/l Exposure time: (96 h) Method: OECD 203

Acute Daphnia toxicity: EC50 > 100 mg/l Exposure time: (48 h) Method: OECD 202

Algae toxicity: EC50 > 100 mg/l Exposure time: (72 h) Method: OECD 201

Bacterial toxicity: > 1000 mg/l Exposure time: (3 h) Method: OECD 209

Persistence and degradability

not relevant

Bioaccumulative potential

not relevant

Mobility in soil

No information available.

Other adverse effects

No adverse effects known.

13. Disposal considerations**Waste treatment methods****Advice on disposal**

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Contaminated packaging

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

14. Transport information**Marine transport (IMDG)****United Nations proper shipping name:**

No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)**United Nations proper shipping name:**

No dangerous good in sense of these transport regulations.

15. Regulatory information**Canadian regulations**

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

16. Other information**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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