

SECTION 1:

Identification of the substance/mixture and of the company/undertaking

1.1 Identification of the substance/preparation

Chemical denomination	Polyamide carbon fiber charged
Commercial name	Roboze Carbon PA

1.2 Use of substance / preparation

Additive printing filaments production

1.3 Identification of the company

Lehmann & Voss & Co. KG

Alsterufer 19

20354 Hamburg

Germany

49(0)40/44197-0

1.4 Emergency phone number

GIZ Giftinformationszentrum-Nord

49(0)551/19240

SECTION 2:

Composition/information on ingredients

2.1 The preparation is composed by:

Polyamide charged carbon fiber. CAS N° N/A

SECTION 3:

Hazards classification

3.1 Classification

The preparation is not classified as dangerous according CEE 1999/45 and 67/548 directive updates.

3.2 Potential health effects

The preparation is considered harmless for human health as it is and when exposed to normal and predictable production process and storage. According with EU directives it is not dangerous. See section 4 and 11 for further information.

3.3 Potential environmental effects

The preparation in normal storage and processing conditions is inert and does not show environmental hazards.

SECTION 4:

First aid measures

4.1 General information

The measures indicated are referred to critical situations (fire, wrong process conditions). At room temperature the product is not irritating and does not release harmful smokes

4.2 Eye contact

Immediately flush eyes with water for at least 15 minutes. Get medical attention.

4.3 Skin contact

In case of melted product contact, flush area with large amounts of cold water. Do not remove consolidated product. Seek medical attention.

4.4 Inhalation

In case of excessive smoke inhalation remove to fresh air. Seek medical attention. Keep the subject warm, and if necessary give artificial respiration.

4.5 Ingestion

Get immediate medical attention. Do not induce vomiting.

4.6. Specific instruments needed on workplace

Gloves, eyewashes.

SECTION 5:

Fire fighting measures

5.1 Extinguishing media

Water spray, foam, chemical powder and carbon dioxide.

2. Hazardous combustion products

The preparation emits toxic fumes (CO and CO₂) under fire and overheat conditions.

3. Fire fighting procedure

Wear self-contained breathing apparatus and full protection turn out gear.
Use caution in approaching fire.

SECTION 6:

Accidental release measures

6.1 Health and safety precaution

Avoid walking on filaments to minimize slipping risk.

6.2. Measure for environmental protection

Place waste in an appropriate labeled container for disposal. Do not discharge in sewerage.

6.3. Measures for cleaning/collecting :

Collect with available mechanical media. Dispose properly.

SECTION 7:

Handling and storage

7.1 General handling

No specific risks for manipulation of the material at ambient temperature.
Avoid inhalation of smokes during the production process.

7.2 Storage conditions

Keep product away from heat sources, direct sunlight and humidity. Store in fresh and well ventilated areas. Keep away from flames and static electricity.

SECTION 8:

Exposure controls – personal protection

8.1 OEL/PEL

Breathable powder: N/A

Total powders: N/A

8.2 Personal protective equipment**Hands**

Wear leather or nitrile rubber gloves if skin contact is possible.

Eye

Wear safety glasses if eye contact is possible.

Respiratory protection

General laboratory ventilation. In case of prolonged exposition, use protection according to directive 89/686/CEE.

SECTION 9:

Physical and chemical properties

Aspect:	Filament
Physical State:	Solid
Color:	Black
Smell:	Characteristic
Melting point:	>220° C
Molecular Weight:	circa 1.07 g/cm ³

SECTION 10:

Stability and reactivity

10.1 Stability:

Stable

10.2 Conditions to Avoid:

Direct sunlight and heat. Electrostatic charges. Avoid inhalation of smokes during the production process.

10.3 Incompatible materials:

Oxidizing agents and fluorine.

10.4 Hazardous decomposition products:

No products known.

SECTION 11:

Toxicological information

11.1 Oral toxicology

DL 50>2000 mg/Kg (rat). Product has not been tested. Data from single components.
Directive 1999/45/CE.

SECTION 12:

Ecological information

12.1 Environmental overview

The preparation can be mechanically separated.

12.2 Bioaccumulation and toxicity

Not determined. Avoid product dispersion, the preparation is not biodegradable.

SECTION 13:

Disposal considerations

13.1 Disposal procedures

Observe European regulations (91/156/CEE, 91/689/CEE, 94/62/CEE) when disposing of this material.

13.2 Packaging

Contaminated packaging materials must be considered as chemical remain. Clean packaging materials must be disposed according to local regulation.

SECTION 14:

Transport information

No limitations existing. Non-dangerous material.

SECTION 15:
Regulatory information

15.1 Labelling

The preparation is not classified as dangerous with actual regulation (1999/45/CE), (67/548/CEE) and updates. Labeling not required. Further information.

SECTION 16:
Other information

This safety data sheet is provided according to directive 1907/2006/CE and 91/155/CE.

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