



Roboze

Version 1.0

Revision Date 26.07.2016

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# Safety Data Sheet

According with Regulation (EC) No. 1907/2006

## Section 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name : LUVOCOM® EOG-100

Synonyms : Roboze PEEK

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of Substance/Mixture : Thermoplastic high-performance material

### 1.3 Details of the supplier of the safety data sheet

Company : Lehmann & Voss & Co. KG  
Alsterufer 19  
20354 Hamburg  
Germany

Telephone : 49(0)40/44197-0

### 1.4 Emergency telephone number

Telephone : (DE): GIZ Giftinformationszentrum-Nord  
(All msds available)  
49(0)551/19240

: (IT): OSPEDALE NIGUARDA  
CENTRO ANTIVELENI  
(39)0266101029

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No. 1272/2008)

Not a hazardous substance or mixture.

### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



## Section 3. Composition/information on ingredients

### 3.2 Mixtures

Remarks : No hazardous ingredients

## Section 4. First aid measures

### 4.1 Description of first aid measures

General advice : Move out of dangerous area.  
Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.  
Give oxygen or artificial respiration if needed.

If inhaled : Move to fresh air.  
If symptoms persist, call a physician.

In case of skin contact : Do NOT use solvents or thinners.  
Wash off with soap and water.  
If symptoms persist, call a physician.  
Cool melted product on skin with plenty of water. Do not remove solidified product.  
In case of burns apply cold water until pain subsides then seek medical advice.

In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
Keep eye wide open while rinsing.

If swallowed : If symptoms persist, call a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

### 4.3 Indication of any immediate medical attention and special treatment needed

## Section 5. Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, bon dioxide.



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Unsuitable extinguishing media : High volume water jet

## 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Do not use a solid water stream as it may scatter and spread fire. Hazardous decomposition products formed under fire conditions.

Hazardous combustion products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

## 5.3 Advice for firefighters

Special protective equipment for firefighters : Exposure to decomposition products may be a hazard to health. In the event of fire, wear self-contained breathing apparatus.

Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
In the event of fire and/or explosion do not breathe fumes.

## Section 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.  
Use personal protective equipment.  
Avoid dust formation.  
Avoid contact with skin, eyes and clothing.  
Avoid breathing dust.  
Avoid inhalation of vapour or mist.  
Contaminated surfaces will be extremely slippery.  
Treat recovered material as described in the section "Disposal considerations".

### 6.2 Environmental precautions

Environmental precautions : Should not be released into the environment.  
Do not allow contact with soil, surface or ground

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water. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

## 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Sweep up or vacuum up spillage and collect in suitable container for disposal.  
Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).  
Avoid dust formation.

## 6.4 Reference to other sections

For personal protection see section 8.

## Section 7. Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Provide for appropriate exhaust ventilation and dust collection at machinery.  
The material can accumulate static charge and can therefore cause electrical ignition.  
Minimize dust generation and accumulation.  
Dust must be collected and disposed of carefully.  
Wear personal protective equipment.  
Do not breathe vapours/dust.

Advice on protection against fire and explosion : Take measures to prevent the build up of electrostatic charge.  
During processing, dust may form explosive mixture in air. Keep away from heat and sources of ignition.  
Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
Avoid contact with skin, eyes and clothing.  
Wash hands before breaks and immediately after handling the product.  
Regular cleaning of equipment, work area and clothing. Keep away from food and drink.  
General industrial hygiene practice.  
When using do not eat, drink or smoke.



## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place.

Further information on storage conditions : Keep away from heat and sources of ignition.  
Keep away from direct sunlight.  
Avoid moisture.

Advice on common storage : Keep away from food, drink and animal feeding-stuffs.

Storage class (TRGS 510) : 11, Combustible Solids

## 7.3 Specific end uses

Specific use(s) : For further information, refer to the product technical data sheet.

## Section 8. Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. Apply measures to prevent dust explosions.

#### Personal protective equipment

Eye protection : Safety glasses with side-shields

#### Hand protection

Material : Protective gloves

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use.

	<p>The exact break through time can be obtained from the protective glove producer and this has to be observed.</p> <p>The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.</p> <p>Request information on glove permeation properties from the glove supplier.</p> <p>Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work.</p>
Skin and body protection	:Safety shoes Wear suitable protective clothing.
Respiratory protection	: Effective dust mask In the case of vapour formation use a respirator with an approved filter.
Protective measures	: Follow the skin protection plan.

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	: granular
Color	: beige
Odour	: characteristic
Odour Threshold	: not determined
pH	: not determined
Melting point/range	: 345 °C
Boiling point/boiling range	: not determined
Flash point	: not determined
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: The product is not explosive at itself, but it may form explosive dust
Vapour pressure	: not determined
Relative density	: No data available
Density	: not determined
Water solubility	: not determined
Solubility in other solvents	: not determined



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Partition coefficient: noctanol/water : No data available  
Auto-ignition temperature : No data available  
Ignition temperature : not determined  
Thermal decomposition : No data available  
Viscosity, dynamic : Not applicable  
Viscosity, kinematic : Not applicable

## 9.2 Other information

Conductivity : not determined

## Section 10. Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Finely dispersed particles form explosive mixtures with air. Burning produces noxious and toxic fumes.

### 10.4 Conditions to avoid

Conditions to avoid : Keep away from heat and sources of ignition.  
Avoid dust formation.  
Avoid moisture.

### 10.5 Incompatible materials

Materials to avoid : No data available

### 10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity**  
No data available

**Skin corrosion/irritation**

**Product:**

No known irritant effect.  
May cause irritation of respiratory tract.

**Serious eye damage/eye irritation**

**Product:**

Dust contact with the eyes can lead to mechanical irritation.

**Respiratory or skin sensitisation**

**Product:**

No known sensitising effect.

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**STOT - single exposure**

No data available

**STOT - repeated exposure**

No data available

**Aspiration toxicity**

No data available

## Section 12. Ecological information

**12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

**Product:**

Partition coefficient: n- : No data available  
octanol/water



**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**Product:

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects**Product:

Additional ecological information

: Should not be released into the environment.

## Section 13. Disposal considerations

**13.1 Waste treatment methods**

Product

: Dispose of in accordance with the European Directives on waste and hazardous waste. In accordance with local and national regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

Contaminated packaging

: Dispose of in accordance with local regulations. Dispose of as unused product.

## Section 14. Transport information

**14.1 UN number**

ADR

: Not dangerous goods

RID

: Not dangerous goods

IMDG

: Not dangerous goods

IATA

: Not dangerous goods

**14.2 Proper shipping name**

ADR

: Not dangerous goods

RID

: Not dangerous goods

IMDG

: Not dangerous goods

IATA

: Not dangerous goods



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#### 14.3 Transport hazard class

ADR : Not dangerous goods  
RID : Not dangerous goods  
IMDG : Not dangerous goods  
IATA : Not dangerous goods

#### 14.4 Packing group

ADR : Not dangerous goods  
RID : Not dangerous goods  
IMDG : Not dangerous goods  
IATA : Not dangerous goods

#### 14.5 Environmental hazards

ADR : Not dangerous goods  
RID : Not dangerous goods  
IMDG : Not dangerous goods  
IATA : Not dangerous goods

#### 14.6 Special precautions for user

Not applicable

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

### Section 16. Other information

#### Further information

Contact Point : Business Unit CUSTOMIZED POLYMER MATERIALS

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific

material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.