

Safety Data Sheet

according to Regulation (EU) 2015/830

SECTION 2: Hazards Identification

2.1 Classification of the substance or product

Classification according Regulation (EG) No. 1272/2008
No hazardous material

Classification according to Directive 67/548/EEC or Directive 1999/45/EC
No hazardous substance

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 or Directive 1999/45/EEC
Not required

2.3 Other hazards

This product does not meet the PBT/vPvB REACH-criteria.

SECTION 3: Composition/information on ingredients

Chemical characterization:
PE-UHMW (ultra-high molecular weight polyethylene)

3.1 Substances

Not applicable

3.2 Products

See chemical characterization

Safety Data Sheet

according to Regulation (EU) 2015/830

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation

After inhalation of dust, absorb sufficient oxygen. If symptoms persist, seek medical advice.

After skin contact

Wash off with water and soap. If symptoms persist, seek medical advice.

After eye contact

In the case of contact with eyes, rinse immediately with plenty of water. If irritation persists, seek medical advice.

After ingestion

Seek medical advice immediately. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

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4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Extinguishing foam, extinguishing powder

Unsuitable extinguishing media

Water jet

Safety Data Sheet

according to Regulation (EU) 2015/830

5.2 Special hazards arising from the substance or product

During combustion carbon monoxide and carbon dioxide may arise.

5.3 Advice for firefighters

Use breathing apparatus with independent air supply (isolated).

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe in dust. Avoid dust formation.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Avoid dust formation. Disposal in accordance with the local legal provisions.

6.4 Reference to other sections

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Indications for safe handling

Avoid inhalation of dust.

Safety Data Sheet

according to Regulation (EU) 2015/830

Indications for fire and explosion protection
Observe the general rules of preventive fire protection.

Hygiene measures
Wash hands before breaks and at the end of work. Do not eat, drink or smoke at work.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage of products
Store in a dry place.

Storage class (TRGS 510)
11: combustible solids

7.3 Specific end use(s)

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SECTION 8: Limitation and monitoring of exposure/personal protective equipment

8.1 Control parameters

DNEL and PNEC values
This product is not covered by the REACH registration requirements.

8.2 Limitation and monitoring of exposure/personal protective equipment

Appropriate engineering controls
Room air extraction

Personal protective equipment
Eye protection
Protective goggles

Safety Data Sheet

according to Regulation (EU) 2015/830

Hand protection

Gloves

Respiratory protection

Respirator

Limitation and monitoring of environmental exposure

Do not allow entrance in sewage.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:

State of aggregation: solid

Colour(s): black

Odour: -

Odour threshold: -

PH-value: -

Melting: 240 °C

Initial boiling point and boiling range: -

Flashpoint: not applicable

Evaporation rate: -

Flammability (solid, gas): > 300 °C

Upper/lower flammability or

Explosive limit: -

Vapour pressure: -

Vapour density: -

Relative density: -

Solubility: -

Partition coefficient: -

n-octanol/water: -

Auto-combustion temperature: -

Decomposition temperature: -

Viscosity: -

Explosive properties: -

Oxidizing properties: -

Safety Data Sheet

according to Regulation (EU) 2015/830

9.2 Other information

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SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Thermal decomposition can occur above 300 °C.

10.3 Possibility of hazardous reactions

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10.4 Conditions to avoid

Avoid temperatures above 250 °C.

10.5 Incompatible materials

Halogens and strong oxidants.

10.6 Hazardous decomposition products

See "Special hazards arising from the substance or product", Section 5.2

Safety Data Sheet

according to Regulation (EU) 2015/830

SECTION 11: Toxicological information

Information on toxicological effects

After many years of experience, we are not aware of any adverse reactions, the usual provisions of hygiene must be observed when handling with chemicals.

SECTION 12: Ecological information

Ecological data are not available. After many years of experience, the material has no harmful effect on the environment.

SECTION 13: Disposal considerations

Waste treatment methods

Considering waste legislation laws and regulations, it can be disposed of.

SECTION 14: Transport information

No hazardous material as defined by the transport regulations.

SECTION 15: Legal provisions

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

Compliance with local and international regulations, laws and guidelines.

National regulations

Water hazard class

Not hazardous to water

Safety Data Sheet

according to Regulation (EU) 2015/830

15.2 Chemical safety assessment

A material safety assessment is not required.

SECTION 16: Other information

Training instructions

Guarantee that employees are aware of the dangers/risks that are described in the safety data sheet.

More Details

The information is based on our current knowledge, however they are no assurance of product properties and do not justify a contractual legal relationship.

Abbreviations and acronyms

| | |
|----------|---|
| DNEL | Derived No Effect Level |
| IBC-Code | International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk |
| PBT | Persistent, Bioaccumulative, Toxic |
| PNEC | Predicted No Effect Concentration |
| REACH | Registration, Evaluation, Authorisation of Chemicals |
| TRGS | Technical Rules for Hazardous Substances |
| vPvB | very Persistent and very Bioaccumulative |

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