

all-round protection

Polyethylene mesh hose - Surface mesh



1) Product Identification

1.1. Product Name

Polyethylene mesh hose

1.2. Relevant Identified Uses of the Substance or mixture

Protection of sensitive surfaces during storage, transport or processing

1.3. Details of the Supplier Manufacturer/Supplier:

Sima GmbH Anton-Tonoli-Straße 3, 77790 Steinach, Germany

Contact for technical information: Sales Department

Phone: +49 7832/97530-0

Email: info@sima-handel.com

2) Hazards Identification

2.1. Classification of the Substance or Mixture

Not hazardous according to Regulation (EC) No. 1272/2008 (CLP).

2.2. Physical/chemical hazards:

Thermoplastic material – risk of burns at high temperatures

Flammable upon direct flame exposure

2.3. Hazards to humans and the environment:

No particular hazards if used as intended

3) Composition/Information on Ingredients

3.1. Material

Main component: Polyethylene (PE) or Polypropylene (PP)

Possible additives: Color pigments, UV stabilizers, antistatic agents

CAS number (for PE): 9002-88-4

EC number: 200-815-3

Classification: Not hazardous

4) First Aid Measures

4.1. Description of First Aid Measures

After Inhalation

Not relevant in solid state. If smoke develops (e.g., during fire): Provide fresh air.

After Skin Contact

No irritation under normal conditions. In case of contact with molten material: Seek medical attention.

After Eye Contact

Mechanical irritation possible. Rinse eyes with water.

After Ingestion

Unlikely. Consult a doctor if symptoms occur.

5) Firefighting Measures

5.1. Extinguishing Media

Suitable extinguishing media: Water mist, foam, CO₂, dry powder

5.2. Special Hazards Arising from the Substance

Formation of carbon monoxide (CO), carbon dioxide (CO₂), and other pyrolysis gases

5.3. Advice for Firefighters

Wear self-contained breathing apparatus and full protective gear

6) Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Risk of slipping due to loose netting. Tripping hazard.

6.2. Environmental Precautions

No special measures required

6.3. Methods and Materials for Containment and Cleaning Up

Pick up mechanically and dispose of properly

7) Handling and Storage

7.1. Precautions for Safe Handling

No special requirements. Avoid contact with open flames.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Store in a cool and dry place

Protect from UV radiation

Keep away from ignition sources

Requirements for storage rooms and containers

None

Information on joint storage

None

Additional information on storage conditions

None

Storage class

Not applicable

Specific end use(s)

Not applicable

8) Exposure Controls/Personal Protection

Technical Protective Measures

No special requirements at room temperature

Personal Protective Equipment

Gloves when mechanically processing the material

Eye protection during cutting or machining

Respiratory protection

Not required under normal conditions

9) Physical and Chemical Properties

Property	Value
Appearance	Net structure, flexible
Colour	Varies (e.g., blue, red)
Odour	Odourless or faint plastic-like
Melting point	Approx. 120–140 °C (depending on polymer)
Flammability	Flammable
Density	Approx. 0.90–0.95 g/cm ³
Solubility in water	Insoluble

10) Stability and Reactivity

Chemical stability:

Stable under normal storage conditions

Conditions to avoid:

Open flames, high temperatures

Hazardous decomposition products:

Carbon monoxide, carbon dioxide, hydrocarbons

11) Toxicological Information

11.1. Information on Toxicological Effects

Acute toxicity

No known toxic effects if used properly

Irritation

No irritation under normal conditions

Sensitization

No sensitising effects known

12) Ecological Information

Biodegradability

Not biodegradable

Bioaccumulation potential

Low

Additional Information

No known environmental hazards when used as intended

13) Disposal Considerations

Product

Dispose of as plastic waste in accordance with local regulations (e.g. EWC 020104)

Packaging

Recyclable if free from contamination

14) Transport Information

UN Number:

Not applicable

Transport regulations:

Not classified as hazardous under ADR/RID/IMDG/IATA

Special Precautions:

None

15) Regulatory Information

Labeling according to Regulation (EC) No. 1272/2008 (CLP):

Not subject to labeling

REACH status:

Product is an article, not subject to registration

16) Other Information

The information provided is based on our current knowledge and describes the product with regard to safety requirements. It does **not constitute a guarantee of specific properties** or a legally binding contract. No warranty is given regarding the suitability of the product for a specific purpose.



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