

Information on safety in use

The product is an article according to the Regulation CE 1907/2006 (REACH); therefore, it is not envisaged to prepare a safety data sheet in compliance with the provisions of the Regulation.

SECTION 1. Identification of the substance / mixture and of the company / undertaking

1.1. Product identifier

Name PBO-MESH 70/18
PBO-MESH 105
PBO-MESH 88
PBO-MESH 44
PBO-MESH 22/22
PBO-MESH 10/10

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

Description / Use PBO fiber mesh for FRCM structural reinforcement
Uses advised against

1.3. Details of the supplier of the safety data sheet

Legal Entity: RUREGOLD srl
Address Piazza Commercial Center, 43
Location and State 20090 - San Felice (Milan)
Italy
Tel: +39 0283590006
Fax: + 39 0283590007
reach@ruregold.it

Sheet Manager:

1.4. Emergency telephone number

Tel: +39 0283590006 (active during office hours from 8.30 to 17.30)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is an article according to the EC Regulation 1907/2006 (REACH) , therefore the classification criteria foreseen by the EC Regulation 1272/2008 (CLP) do not apply to it .

2.2. Label elements

The product is an article according to the EC Regulation 1907/2006 (REACH) , therefore the labeling criteria foreseen by the EC Regulation 1272/2008 (CLP) do not apply to it .

2.3. Other hazards

Based on the available data, the product does not contain substances that meet the criteria set out in Article 57 (SVCH) and are identified on the basis of Article 59 (Candidate List) of the REACH Regulation in concentrations higher than 0.1%.

SECTION 3. Composition / information on ingredients

3.1. Substances

Not applicable for the specific product being an article.

3.2. Mixtures

Not applicable for the specific product being an article.

3.3. Articles

The product consists of PBO polymeric fibers (CAS 60857-81-0) .

SECTION 4. First aid measures

4.1. Description of first aid measures

There are no known episodes of damage to health attributable to the product.

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

There are no known episodes of damage to health attributable to the product.

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

There are no known episodes of damage to health attributable to the product.

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA: the extinguishing media are the traditional ones: carbon dioxide, foam, dust and water spray.

MEANS OF EXTINCTION NOT SUITABLE : n in particular.

5.2. Special hazards arising from the substance or mixture

DANGERS EXPOSED TO EXPOSURE IN THE EVENT OF FIRE : and avoid breathing the combustion products . The decomposition under the action of fire or temperatures above 600 ° C causes the emission of toxic fumes such as hydrogen cyanide.

5.3. Advice for firefighters

GENERAL INFORMATION : r cool the containers with water jets to avoid decomposition of the product and the development of substances potentially dangerous for health. Always wear the complete fire protection equipment. Collect extinguishing water that must not be discharged into drains. Dispose of the water used for extinction and the remains of the fire according to the regulations in force.

EQUIPMENT : fire fighting clothing, such as an open circuit compressed air breathing apparatus (EN137), fireproof suit (EN469), fireproof gloves (EN659) and firefighter boots (HO A29 or A30)

SECTION 6. Accidental release measure

6.1. Personal precautions, protective equipment and emergency procedures

There are no known episodes of damage to health attributable to the product.

6.2. Environmental precautions

There are no known episodes of damage to the environment attributable to the product.

6.3. Methods and materials for containment and cleaning up

Not applicable

6.4. Reference to other sections

Any information regarding personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for Safe Handling

Handle the product after consulting all the other sections of this safety data sheet. Avoid dispersion of the product in the environment .

7.2. Conditions for safe storage, including any incompatibilities

Keep the product in clearly labeled containers. Keep the containers away from any incompatible materials, checking section 10

7.3. Specific end use(s)

PBO fiber mesh for FRCM structural reinforcement. For different and / or particular uses, contact the Commercial Office of Ruregold srl

SECTION 8. Exposure controls / personal protection

8.1. Control parameters

Not applicable for the specific product being an article.

8.2. Exposure controls

HAND PROTECTION

Unnecessary

SKIN PROTECTION

Unnecessary

EYE PROTECTION

Unnecessary

RESPIRATORY PROTECTION

Not necessary, unless otherwise indicated in the assessment of chemical risk

ENVIRONMENTAL EXPOSURE CHECKS

Emissions from production processes, including those from ventilation equipment, should be checked for compliance with environmental protection regulations.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:

solid

Color:

gold

Smell:

odorless

Odor threshold:

not available

pH:

not available

Melting point / freezing point:

not available

Initial boiling point:

not applicable

Boiling point:

not available

Flash point:

not applicable

Evaporation rate:

not available

Flammability (solid, gas):

not available

Upper / lower flammability or explosive limit:

not available

Vapor pressure:

not available

Vapor density:

ca. 1.56 ± 0.01 kg / l

Relative density:

not available

Solubility:

not available

Partition coefficient n-octanol / water:

not available

Auto-ignition temperature:

not available

Decomposition temperature:

not available

Viscosity:

not available

Explosive properties:

not available

Oxidising properties :

not available

9.2. Other information

Not available

SECTION 10. Stability and reactivity

10.1. Reactivity

Not applicable for the specific product being an article.

10.2. Chemical stability

Not applicable for the specific product being an article.

10.3. Possibility of dangerous reactions

Not applicable for the specific product being an article.

10.4. Conditions to avoid

Not applicable for the specific product being an article.

10.5. Incompatible materials

Not applicable for the specific product being an article.

10.6. Hazardous decomposition products

In case of fire, gases and vapors can be released , due to thermal decomposition of the polymeric layer, potentially harmful to health.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Not applicable for the specific product being an article.

SECTION 12. Ecological information

12.1. Toxicity

Not applicable for the specific product being an article.

12.2. Persistence and degradability

Not applicable for the specific product being an article.

12.3. Bioaccumulation potential

Not applicable for the specific product being an article.

12.4. Mobility in the soil

Not applicable for the specific product being an article.

12.5. Results of PBT and vPvB assessment

Not applicable for the specific product being an article.

12.6. Other adverse effects

Not applicable for the specific product being an article.

SECTION 13. Disposal considerations**13.1. Waste treatment methods**

Disposal must be entrusted to an authorized waste management company, in compliance with national and local regulations.

Consider the possibility of disposal in an authorized landfill.

SECTION 14. Transport information**14.1. UN number**

Not applicable

14.2. UN shipping name

Not applicable

14.3. Hazard classes related to transportation

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for users

Not applicable

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

Not applicable

SECTION 15. Regulatory information

The product is an article pursuant to EC Regulation No. 1907/2006 (REACH); therefore, the classification and labeling criteria set forth in EC Regulation No. 1272/2008 (CLP) do not apply to it.

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

Not applicable

15.2. Chemical safety assessment

Not applicable

SECTION 16. Other information

Changes compared to the previous version:

The following sections were modified: 1

LEGEND:

- ADR: European agreement for the transport of dangerous goods by road
- CAS NUMBER: Number of the Chemical Abstract Service
- EC50: Concentration that gives effect to 50% of the population subject to testing
- CE NUMBER: Identification number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived level without effect
- EmS: Emergency Schedule
- GHS: Global harmonized system for the classification and labeling of chemical products
- IATA DGR: Regulation for the transport of dangerous goods of the International Air Transport Association
- IC50: Immobilization concentration of 50% of the population subjected to tests
- IMDG: International maritime code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in the Annex VI of the CLP
- LC50: Lethal concentration 50%
- LD50: 50% lethal dose
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predictable environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predictable no-effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation for the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that must not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Average weighted exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulative according to REACH
- WGK: Class of aquatic hazard (Germany).

GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. The Merck Index. - 10th Edition
15. Handling Chemical Safety
16. INRS - Fiche Toxicologique (toxicological sheet)
17. Patty - Industrial Hygiene and Toxicology
18. NI Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
19. IFA GESTIS Website
20. ECHA Agency Website
21. Database of chemical substance SDS models - Ministry of Health and National Institute of Health

Note to the user:

The information contained in this sheet is based on the knowledge available from us at the date of the latest version. The user must make sure of the suitability and completeness of the information in relation to the specific use of the product. This document must not be interpreted as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force concerning hygiene and safety under his own responsibility. No liability is assumed for improper use.