

Safety Information - Regulation EU 2015/830 (EU 1907/2006)**Product name: Expanded Graphite Packing GR80SGR**

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**1.1 Name of the product**

GR80SGR

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

Braided compression packing for sealing of industrial valves and pumps

1.3 Details of the supplier of the safety data sheet

Carrara Spa, Via provinciale 1 E 25030 Adro- BS - Italy

Telephone Nr. (+39) 030 7451121

Telefax Nr. (+39) 030 745,1130

1.4 Emergency telephone number

Emergency number (+39) 030 7451 121 (office schedule time) or contact your local Emergency

2. HAZARDS IDENTIFICATIONS**2.1 Classification of the substance or mixture**

The product does not meet the criteria for classification in any hazard class according to regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. However a safety data sheet is being supplied for general use.

2.2 Label elements

The labelling according to regulation (EC) No 1272/2008 is not applicable.

2.3 Other hazards

PTFE is non hazardous for industrial use at ambient temperature. At temperature above 260 ° C toxic decomposition products may be emitted. Avoid smoking when handling the product. The graphite do not present evidences of danger for the health and for the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Ingredients**

Ingredient	CAS NO	Reach Reg NO.
PTFE	9002-84-0	NA
Flexible graphite	7782-42-5	NA
Barium Molybdate	7787-37-3	NA

4. FIRST AID MEASURES**4.1 Description of first aid measures**

- Inhalation: further to inhalation of decomposition products, bring the injured person in the open air and keep him calm and contact physician.
- Skin contact in case of skin's irritation wash it with water and soap; if irritation persist contact physician.
- Eye contact: flush eyes for at least 15 minutes with large amount of water. Contact physician if irritation persists.

- Ingestion: not applicable.
- Protection for first-aiders: no special precautions.

4.2 Most important symptoms and effects, both acute and delayed

The contact with the product may cause irritation to the skin, eyes and nasal passage. The inhalation of the decomposition products may cause cough, shortness of breath and decrease in pulmonary function. Excess of exposure limits over an extended period of time may result in injury to the lungs.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptoms.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: water, foam, extinguishing powder, carbon dioxide.

Unsuitable extinguishing media: none known.

5.2 Special hazards arising from the substance or mixture

Toxic fume may be emitted at temperature above 260 °C. see section 10.6 for additional information.

5.3 Advice for firefighters

Recommend firefighters wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Utilize exposures controls and personal protection as specified in Section 8.

6.2 Environmental precautions

No special requirements.

6.3 Methods and material for containment and cleaning up

Non toxic. No special materials and procedures are required.

6.4 Reference to other sections

Refer to section 13 for disposal advice.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not smoke when handling PTFE products; wash the hands after handling to avoid transfer to tobacco products. Avoid creating dust during removal.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool and dry area. Exposure to heat and sunlight may shorten its unlimited shelf life.

7.3 Specific end use(s)

No special precautions are required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No data available

8.2 Exposure controls

Wear protective clothing, gloves and safety glasses. Respiratory protection not required when handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Appearance: Solid
- Colour: Black
- Odour: Not applicable
- Ph: Not applicable
- Melting point: Not applicable
- Initial boiling point and boiling range: Not applicable
- Evaporation rate Not applicable
- Flammability: Not applicable
- Explosive limit: Not applicable
- Vapour pressure: Not applicable
- Vapour density: Not applicable
- Relative density: 1.30 g/cm³
- Solubility: insoluble
- Auto-ignition temperature: Not applicable
- Decomposition temperature: Not applicable
- Viscosity: Not applicable
- Explosive properties: Not applicable
- Oxidising properties: Not applicable

10. STABILITY AND REACTIVITY

10.1 Reactivity

Refer to the sections 10.3 and 10.5

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

No dangerous reactions are known under conditions of normal industrial use

10.4 Conditions to avoid

See the technical data sheet

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Carbon dioxide, Carbon monoxide, Hydrofluoric acid, Carbonyl fluoride, Tetrafluoropropylene, Hexafluoropropylene, Perfluoroisobutylene and other by-products that may be released due to combustion.

11. INFORMATION

11.1 Information

This information has not been determined specifically for this product. The information given below to the best of our knowledge is based on similar components or substances.

- Acute toxicity: No data
- Skin corrosion/irritation: May be irritant for skin and mucous membranes
- Serious eye damage/irritation: Irritant effect
- Respiratory or skin sensitisation: No sensitizing effect known
- Germ cell mutagenicity: Not known

- Carcinogenity: Not known
- Reproductive toxicity: Not known
- STOT-single exposure: Not known
- STOT-repeated exposure: Not known
- Aspiration hazard: Not known

11.2 Information on other hazards

None

12. ECOLOGICAL INFORMATION

12.1 Ecological information

These information have not been determined specifically for this product. The information given below to the best of our knowledge is based on similar components or substances.

- Toxicity: Not known
- Persistence and degradability: Not known
- Bio-Accumulative Potential Not: known
- Mobility and Soil: Not known
- Results of PST & vPvB assessment: Not known
- Other adverse effects: Not known

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Unused product is not regulated waste. Check local regulations and comply with the most stringent requirement. This product is not classified as hazardous waste according to 2008/98/EC

14. TRANSPORT INFORMATION

14.1 UN Number

IMDG, ADA, RIO, ADN, ICAO: Not applicable

TDG: Not applicable

US DOT: Not applicable

14.2 UN Proper shipping name

IMDG, ADA, RIO, ADN, ICAO: Non-hazardous, non regulated

TDG: Non-hazardous, non regulated

US DOT: Non-hazardous, non regulated

14.3 Transport hazard class(es)

IMDG, ADA, RIO, ADN, ICAO: Not applicable

TDG: Not applicable

USDOT: Not applicable

14.4 Packing group

IMDG, ADA, RIO, ADN, ICAO: Not applicable

TDG Not: applicable

US DOT Not: applicable

14.5 Environmental hazards

Environmental hazards: Not applicable

14.6 Special precautions for user

Special precautions for user: Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Maritime transport in bulk according to IMO instruments: Not applicable

15. REGULATORY INFORMATION

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

15.1.1 EU Regulations

Authorisation under title VII: Not applicable

Restrictions under Title VIII: Not applicable

Other EU Regulations: None

15.1.2 USA SARA TITLE III

312 Hazards: None

313 Chemicals: None

Other USA Regulations: None

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for this product by the supplier.

16. OTHER INFORMATION

16.1 Further information

The product does not meet the criteria for classification in any hazard class according to regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

However a safety data sheet is being supplied for general use. The information given in the SDS to the best of our knowledge is based on similar components or substances or information given by the suppliers of the raw materials.

This SDS can be modified according to the new available information on the product and/or their components.

16.2 Abbreviations and acronyms

AON: Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

AOR: Agreement concerning the International Carriage of Dangerous Goods by Road

ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG: International Maritime Dangerous Goods

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

STOT: Specific Target Organ Toxicity

TOG: Transportation of Dangerous Goods

US DOT: United States Department of Transportation