

Safety data Sheet
Product: PGT3 GR8622
1. INDICATIONS ON THE PRODUCT

PGT3 GR8622 is a valve stem sealing set composed by braided formed rings, manufactured with flexible graphite strands Inconel® knitted reinforced, impregnated with colloidal graphite and special compound.

CAS-No. Unassigned
 Company CARRARA
 Via provinciale 1E
 25030 Adro- BS - Italy
 Telephone Nr. (+39) 030 7451121 telefax (+39) 030 7451130

Use: Valve braided packing for industrial fluids and gases, suitable in service to 450°C (850°F) in mild oxidizing environment, 650°C (1200 °F) in not oxidizing environment for pressure up to 500 bar (7500 psi). Avoid the strong oxidizers.

2. HAZARDS IDENTIFICATION

PTFE is non hazardous at ambient temperature. At temperature above 260°C (500°F) toxic decomposition may be emitted. When the PTFE is decomposed in air at temperatures from 360 to 450°C (680 to 842°F), the products observed are HF, COF₂, CO, and hexafluoroacetone (HFA). Avoid smoking when handling PTFE product. The content in the product is lower than 2,8 %Wt.

3. Composition on hazardous materials

Chemical name	CAS-No	% Wt
Graphite	7782-42-5	72,0 – 75,0
Molibdenum trioxide	1313-27-5 / Xn R36/37-40	< 1,0
Boron nitride	10043-11-5 / Xi R36/37	4,0 – 7,0
Barium Molibdate	7787-37-3 / Xn R22	< 1,0

4. FIRST AID MEASURES

- Inhalation

Further to inhalation of decomposition products, bring the injured person in the open air and request doctor's intervention.

- Skin contact

Wash immediately with water and soap.

- Eyes

Flush eyes with water at least 15 minutes.

5. FIRE-FIGHTING MEASURES

The product are non-combustibile and do not pose fire hazard.

- Suitable extinguishing media

Water spray, foam, carbon dioxide or dry chemical

- Extinguishing media wich must not be used for safety reasons

Not know

- Combustion products

HF, COF₂, CO, CO₂ and traces of other unknow combined gases.

Special protective equipment for fire-fighters, as wear self-contained breathing apparatus and wear full protective equipment, is required.

Safety data Sheet

Product: PGT3 GR8622

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:

No special precaution are required, but local regulation may be apply

- Environment Precautions

No special precaution are required, but local regulation may be apply

7. HANDLING AND STORAGE

- Handling

1. Ensure good ventilation
2. Avoid breathing dust during removal
3. Avoid to smoke tobacco

- Storage

1. Before use keep material in original packaging

Store material in cool dry area where it is protected against adverse conditions including precipitation and UV radiation

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Local regulations may be apply.

1. Engineering measures

In work areas ensure good ventilation

2. Control parameters

Local regulations may apply for fibre dust particle concentration per ml of workplace air

3. Respiratory protection

In the even of heavy dust development and in confined spaces, use disposable face-masks

4. Hand protection

Gloves are recommended only.

5. Eye protection

With heavy dust development , wear safety goggles.

6. Sking protection

Wear just the regular work clothing it is recommended to wash and change cloth once the working time is finished

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : - Shape : solid amorphous, low hardness

- Colour : grey/black

- Odour : odourless

- Solubility in water: insoluble

- Other: none

10. STABILITY AND REACTIVITY

- The product is quite stable in the normal use conditions
- Avoid contacts with strong oxidants, acids and strong bases
- Dangerous decomposition products : HF, COF₂, CO, CO₂ and other traces of combined gases

Safety data Sheet

Product: PGT3 GR8622

11. TOXICOLOGICAL INFORMATION

The information given below is based on a knowledge of the components

- The product and its components are unreactive and nonbiodegradable;
- The primary route of exposure under normal use are inhalation, skin and eye contact;
- The surnamed components may cause skin, eyes and nasal passage irritation;
- PTFE isn't hazardous at environmental temperature and only above 260°C toxic gases may be produced; the inhalation of these gases may cause temporary flu-like symptoms;
- Molibdenum Trioxide is classified R40. Repeated dust's inhalation or excess in exposure limits over an extended period of time may result in injury;

12. ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. The product is chemically unreactive, nonbiodegradable and insoluble in water. Avoid improper use.

13. DISPOSAL CONSIDERATION

1. Uncontaminated product

If the material cannot be used it must be disposed according to the local regulations.

2. Contaminated product

The contaminated product must be disposed according to the local regulations.

TRANSPORT INFORMATION

1. Declaration about the track, sea and air transport

The product is not hazardous substance in terms of national and international transport guidelines

2. Other information

Keep dry. Store separately from food.

15. REGULATORY INFORMATION

1. EU CLASSIFICATION

The product does not comply with either chemical or harmful substances classification, it is not the subject of the directive REACH, RoHS and is not boudbed by the restrictions of the system EU RAPEX.

2. OTHER REGULATION

No special marking is required by EU standard

16. OTHER INFORMATION

1. Good working practice

Local regulations may be apply

2. Declaration

This material Safety Sheet contains the information which are necessary for ensuring the safety of work, health and environment protection. The information given herein is the best available on the date of its issue and comply with the local legal regulations. However, it does not constitute a contractual description of suitability and usability of the product for a particular application. This information is furnished as a guide only and upon the condition that the person receiving it shall make tests to determine the accuracy and suitability of these data for his/her own particular way of application.