



 S.p.a Packings & Gaskets	
Safety data card in conformity with the EEC 91/155 Directive Product Line: PACKING - INCOBRAID® GR8807 - 0010/00 -	

INCOBRAID® GR8807

				
T	°C	-100/ +450 (1) 650 (2)		
p	bar	300	80	
V	m/s	1	1.5	
pH		0 ÷ 14		

- Do not use the product to the values of associate maximum temperature and pressure without consulting the producer.
- 1. With low oxidising products .
- 2. With steam.

Composition



- pure graphite yarns
- alloy micro-metric discontinuous reinforcement
- graphite impregnation
- passive corrosion inhibitor

Features

Packing studied and realised with particular PAN yarn that it arranges the qualities of the graphite and those of the Alloy. The impregnation happens in three phases: at first on single yarn, with paste of corrosion inhibitor graphite, subsequently during the braiding and finally on the surface of the packing.

Applications

Particularly suitable in all industrial valves in service HT - HP, with steam and all other products except the strong oxidisers.

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1. DENOMINATION OF THE PRODUCT AND OF THE COMPANY

Indications on the product:

The packing GR8807 INCOBRAID is braided with pure PAN graphite yarn reinforced with micro-filaments in alloy of nickel/chromium/molybdenum and impregnated with graphite and passive corrosion inhibitor.

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Chemical characterisation: PAN graphite packing .

- high content of Carbon (C> 95%) yarns, impregnated with pure graphite powder.
- Molybdenum powder additives as inhibitor.

3. IDENTIFICATION OF THE DANGERS

- The graphite and the compounds of the molybdenum do not present evidences of danger for the health nor for the environment; situations of possible contact with the eyes and inhalation, due to a presence of air-dispersed powders, are however to be avoided (situations not foreseen).
- Risks can occur in case of fire when the product, in combustion, releases carbon monoxide and dioxide and in a smaller extent molybdenum oxides (CO, CO₂ and MoOX).

4. FIRST AID MEASURES

- bring the injured person in the open air whether for inhalation of combustion products or for accidental inhalation of powders released from the process (not foreseen on the product).
- request medical assistance in the most serious cases and with loss of consciousness.

Interventions in case of contact

Contact with the eyes

- Wash abundantly with running water with eyelids open.

Contact with the skin

- wash immediately with water and fat soap.

Inhalation

- bring the subject in the open air.



Clothes

- remove and wash.

5. FIRE SAFE

Suitable means for extinction:

- Water
- Foam
- Extinguishing powder
- Carbon dioxide

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The risks in case of fire are connected to the combustion products, which are:

- Carbon monoxide (CO and CO₂)
- Molybdenum oxide (MoOx)

Particular protection equipment for the fire safe operations:

- it is peremptory, for the extinguishing, rescue and clearing operations in presence of combustion and distillation gases, to use a breathing apparatus for secure protection of the respiratory tract

6. MEASURES IN CASE OF ACCIDENTAL LEAKAGE

Cleaning/collecting measures

- collector with mechanical equipment
- dispose in conformity with the Local regulations and laws

7. HANDLING AND WAREHOUSING

Handling

- Avoid the high temperatures near or superior to the decomposition start temperature (T > 450°C in air and T > 650°C with not oxidising products).
- Warehousing.

- No particular precaution

8. LIMITATION OF THE EXPOSURE AND INDIVIDUAL PROTECTION

- Individual protection in presence of powder TLV= 10 mg/m³.
- General protection measures: do not breath steams and powders in case they are generated, in such case do not smoke during the work

9. LIMITATION OF THE EXPOSURE AND INDIVIDUAL PROTECTION

Aspect: - Shape: solid and compact braided packing



- Colour: black

- Odour: odourless

Important data for the safety

Modifications of the physical state: stable up to 450°C in air and up to 650°C with steam and low oxidising products.

- Flammability point : not applicable
- Ignition temperature: > 800°C - Method : ASTM 1929
- Inferior explosively limit : not applicable
- Steam tension : not applicable
- Density: 1,3 g/cm³ at room temperature
- Solubility in water : insoluble
- pH value : not applicable
- Viscosity : not applicable

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10. STABILITY AND REACTIVITY

- Thermal decomposition: T > 450°C oxidising environment - T > 700°C non oxidising environment
- The product is quite stable in the normal use condition.
- Avoid prolonged contact with strong oxidants (acids or bases).

11. INDICATIONS ON THE TOXICOLOGY (Observations)

- After many tests no harmful effects are known if the product is used correctly.

12. INDICATIONS FOR THE ECOLOGY (Observations)

- The product is not water-soluble
- The material does not have harmful effects on the environment

13. INDICATIONS FOR THE DISPOSAL

- In respect of the set of rules in force in the matter and after having contacted the person in charge of the disposal and the competent authorities the product can be deposited in a dump or incinerated together with the city rubbish
- The hydrofluoric acid must be eliminated by alkaline washing of the gases

14. INDICATIONS ON THE TRANSPORT

- The material is not dangerous in any case.

15. SET OF RULES

EEC 67/548 Directive

- Type of Classification : none
- Labelling:
- Classification : not requested
- Danger symbol : not requested
- Risk phrases : not requested
- Safety phrases : not requested

DPR 303/56 (General rules for the working hygiene): not mentioned

16. SET OF RULES

- These information are based on the actual level of our knowledge and the ones supplied by the manufacturing companies of the components of our products.
- Their aim is to describe our product under the safety aspect and does not have the intent to guarantee determining specific properties of the product itself.