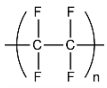
SAFETY DATA SHEET

in accordance with regulation (CE) 1907/2006 REACH and (EU) No. 2020/878

RATING DATE 29/04/2019 - Rev. N° 2 - 05/04/2024

4118-Graphited and Lubricated Glass

1 - IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND COMPANY/ UNDERTAKING

1.1	**Identification of the product**	Packing with E Glass fibres graphite and aqueous dispersion PTFE
	Trade name	4118-Graphited and lubricated glass
	Grade	solid
	Structural formula: (of the polymer)	
	Product code	4118
1.2	**Identified uses and recommended for the substance or mixture**	For industrial application only
	Applications	Packing recommended for low temperature steam, gas, fume, oil, acid and basic substance applications.

1.3	**Details of the supplier of the safety data sheet**	
	Company name	TEXPACK srl unipersonale
	Address	Via Galileo Galilei, 24 25030 Adro (BS)
	Telephone and Fax nr	+39 030740168 - +39 0307480201
	e-mail address	info@texpack.it
1.4	**Emergency Calls**	+ 39 030 7480168 only during office hours CAV Niguarda Cà Granda Hospital - Milan Tel. 02/66101029 CAV National Toxicological Information Center - Pavia Tel. 0382/24444 Poison Control Center Bergamo - 80011858 (CAV Ospedali Riuniti - Bergamo) Poison Control Center Verona - 800011858 (Integrated Hospital - Verona) Poison Control Center Florence - Tel. 055/7947819 ('Careggi' Hospital Medical Toxicology Unit-Florence) Poison Control Center Rome - Tel. 06/3054343 (CAV Policlinico Gemelli - Rome) Poison Control Center Rome - Tel. 06/49978000 (CAV Policlinico Umberto I - Rome) Poison Control Center Rome - Tel. 06/68593726 (CAV Pediatric Hospital 'Bambino Gesù' DEA - Rome) Poison Control Center Naples - Tel. 081/7472870 (CAV Cardarelli Hospital - Naples) Poison Control Center Foggia - Tel. 800183459 (CAV Az. Osp. Univ. Foggia - Foggia)

2 – HAZARD IDENTIFICATIONS

2.1	**Classification of the substance or mixture**
	*This mixture is classified as **not dangerous** in accordance with directives*
2.1.1	European Regulation (EC) 1272/2008, as mentioned
2.1.2	Classification according to the CLP (Classification Labelling an Packaging, Regulation (EC) No 1272/2008).

Hazard Class	Hazard Category	H-phrases
None	None	None

2.2	Label elements: None
2.2.1	Names on the label: None

2.2.2	Signal word :	None
2.2.3	Hazard pictograms:	None
2.2.4	Hazard :	None
2.2.5	Safety advice:	None
2.3	Other hazards: The product is biologically inert. Not hazardous under normal conditions of handling and use. Ecological injuries are not known or expected under normal use. Thermal decomposition can lead to release of toxic and corrosive gases. Based on available data, the product does not contain PBT or vPvB substances in percentages ≥ 0.1%. The product does not contain substances having properties of interference with the endocrine system concentration >= 0.1%.	

3 – COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 mixture

3.2 Concentration

Name	**Remarks**	**CAS N°**	**Risk Phrases**	**Classification in according to (EC) No 1272/2008**
E Glass fibres	-	65997-17-3	none	No classified
Aqueous Dispersion Polytetrafluoroethylene (PTFE)	Dispersion mixture	9002-84-0 7732-18-5 60828-78-6	H315 H318	
Graphite	powder	7782-42-5	-	No classified

4 – FIRST AID MEASURES

4.1	**Description of first aid measures** **Symptomatology following exposure to products of thermal decomposition**	
4.1.1	If inhaled	Headache, short breathing, cough, chills and fever, tachycardia.
4.1.2	In case of contact with skin	Redness, irritation, burns
4.1.3	Eye contact	Redness, irritation, burns
4.1.4	Ingestion	Not a probable route of exposure. However, in case of accidental ingestion, call a physician
4.2	**First Aid Measures in case of exposure to gases from thermal decomposition**	
4.2.1	If inhaled	Move immediately affected person to fresh air. Seek medical attention immediately. If not breathing, supply artificial respiration, preferably mouth to mouth. In case of difficult breathing, give oxygen. omposition products do not occur until several hours after exposure. Keep the affected person under medical observation for at least 48 hours. A timely medical attention is absolutely required.
4.2.2	Eye contact	Flush immediately and copiously with water for at least 15 minutes, retracting eyelids often. Seek medical attention in case burns continues.
4.2.3	In case of contact with skin	Wash immediately with water and soap (pay particular attention to flushing skin under nails). Seek medical attention in case burns continues.
4.2.4	If swallowed	Not a probable route of exposure. However, in case of accidental ingestion, call a physician

5 – FIRE FIGHTING MEASURES

5.1	**Specific hazards**
5.1.1	The product is neither flammable nor explosive.
	In the event of fire, corrosive and toxic gases from thermal decomposition may be formed, like Carbon monoxide (CO)
	Hydrofluoric acid (HF)

	Carbonil Fluoride (COF_2)
	Tetrafluoroethylene
	Hexafluoroisobutylene
	Perfluoroisobutylene
	Sulphurous anydride
5.2	**Extinguishing media**
5.2.1	Water (spray, fog, stream), CO_2, chemicals in powder or foam.
5.3	**Specific methods**
5.3.1	In case of surrounding fire, if possible, remove the containers in a safety place. To do only if in safe conditions (safety distance from the flames and staying upwind)
	In case of impending fire, keep containers cool by spraying with water.
5.4	**Protection of fire-fighters**
5.4.1	Self contained breathing apparatus.
	Full anti-acid clothing

6 – ACCIDENTAL RELEASE MEASURES

6.1	**Personal precautions**
	Keep away from hot surfaces and flames.
	Stop the release as soon as possible, in safe conditions.
6.2	**Environmental precautions**
	Avoid uncontrolled discharge of the product in the soil and underground waters.
6.3	**Methods for cleaning up**
	Sweep and scoop out the released material, collecting it in suitable container for re-use or disposal according to applicable regulations.
6.4	**Reference to other sections**
	None

7 – HANDLING AND STORAGE

7.1	**Handling**
7.1.1	**Precautions**
	Ensure adequate ventilation
	Use personal protective equipment
	Avoid creating dust
	Do not contaminate products based on tobacco
	Keep away from heat and sources of fire
	To avoid thermal decomposition do not overheat
	Before each operation clean and dry pipes and equipment
	Take measures to prevent the build up of electrostatic charge
	Ensure all equipment is electrically grounded before beginning transfer operations
7.1.2	**Security measures**
	In working areas where the materials are handled at temperatures higher than 350°C appropriate exhaust ventilation and smoke down bringing are required.
7.2	**Conditions for safe storage, including any incompatibilities**
7.2.1	**Storage**
	Keep away from sparks and flames, hot surfaces and inflammable materials.

	Do not store near incompatible materials (see par. 10).
7.2.2	**Packaging**
	Cardboard boxes or plastic drums, wooden boxes

8 – EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1

Control parameters
For PTFE in powder form

Ingredient	Authority	Type	Limit	Additional information
Polytetrafluoroethylene	CMRG	TWA,as respirable dust	5 mg/m^3	-
Polytetrafluoroethylene	CMRG	TWA, as total dust	10 mg/m^3	-
HF	TLV/CEILING	2,6 mg/ m^3		3 ppm
COF_2	TLV/STEL	13,5 mg/ m^3		5 ppm

Graphite (all forms except graphite fibers)	
VLE / ACGIH	2 mg/m^3

Source of exposure limit data:
ACGIH : American Conference of Governmental Industrial Hygienists
CMRG: Chemical Manufacturer Recommended Guideline
OSHA: Occupational Safety and Health Administration
AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

8.2.1	**exposure controls**
	Appropriate engineering controls
8.2.2	**Individual protection measures**
8.2.2.1	**Respiratory protection**
	Normally it is required any protective device for the respiratory system. If dust / mist / fume, dust mask with filter type P2. Use respirator when performing operations involving potential exposure to vapor of the product. Use only respiratory protection that conforms to international / national standards.
8.2.2.2	**Hand Protection**
	Latex gloves When handling hot material, use heat resistant gloves
8.2.2.3	**Eye protection**
	In case of high dust concentration wear safety goggles and appropriate work suits/overalls.
8.2.2.4	**Body protection**
	Long sleeved clothing Safety shoes
8.2.2.5	**Hygiene measures**
	When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Handle in accordance with good practice of industrial hygiene and safety practice
8.2.3	**Environmental exposure control**
	Every four years, the working environment is monitored. Result: not dangerous

9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1	**Information on basic physical and chemical.**	
	E Glass/ Aqueous dispersion PTFE	
9.1.1	**general information**	
	Appearance	Solid
	Odour	odourless
	Colour	Black

	Density relative	1,4 – 2,16 g/cm^3
	Point of fusion	327 °C
	pH	2 ÷ 12
	Boiling point	not applicable
	Flash point	non flammable
	explosive properties	not explosive
	oxidizing properties	non-oxidizing
	Vapor Density	not applicable
	Solubility in water	insoluble
	Solubility in organic solvent	insoluble
	Percent volatile	0%
	VOC Less H_2O & Exempt solvents	Not applicable

10 – STABILITY AND REACTIVITY

10.1	**Stability**
	The product is stable in normal condition of use and storage.
10.2	**chemical stability**
	The product is chemically stable.
10.3	**Possibility of hazardous reactions**
	During drying, cleaning and moulding, small amounts of hazardous gases and/or particulate matter may be released. These may irritate eyes, nose and throat. Large molten masse may give off hazardous gases. Stable under normal condition.
10.4	**Conditions to avoid**
	To avoid thermal decomposition, do not overheat. Abnormally long processing time or high temperatures can produce irritating and toxic fumes. Stable under normal conditions
10.5	**Materials to avoid**
	Finely divided aluminium Powdered metals Potent oxidizers like fluorine and related compounds. Contact with incompatible materials can cause fire and explosion
10.6	**Hazardous decomposition products**
	Toxic and corrosive vapour-steam (hydrogen fluoride, carbonyl fluoride, tetrafluoroethylene, hexafluoropropane and perfluoroisobutane). The temperature level influences directly the thermal combustion products.

11 – TOXICOLOGICAL INFORMATION

11.1	**Acute toxicity**
	See 11.1.1
11.1.1	**Acute oral toxicity**
	DL50, ratto > 5000 mg/Kg
11.1.2	**Acute inhalation toxicity**
	The vapors of the thermal decomposition of fluorinated plastics can cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco The thermal decomposition products, high temperature, may be irritating to the respiratory system HF / Cl Severely Irritating to respiratory system. Risk of pulmonary edema
11.2	**Corrosion / Skin Irritation**
	- rabbit Classification: not classified as irritant Result: No skin irritation - human Classification: not classified as irritant

	Result: No skin irritation
11.3	**Serious eye damage / eye irritation**
	No eye irritation in normal condition of use
11.4	**Sensitisation**
	- human Classification: not a skin sensitizer Result: Does not cause skin sensitisation. Patch test on human volunteers did not demonstrate sensitisation properties
11.5	**Mutagenicity**
	No data available
11.6	**Carcinogenicity**
	Not classifiable as a human carcinogen
11.7	**Toxic for reproduction**
	No toxicity to reproduction
11.8	**Repeated dose toxicity**
	No date available
11.9	**other information**
	none

12 – ECOLOGICAL INFORMATION

12.1	**Toxicity**
	Toxicity to fish : the substance is a polymer and is not expected toxic effects
12.2	**Persistence and Degradability**
	no data available
12.2.1	**Abiotic degradation**
	no data available
12.2.2	**Biodegradation**
	no data available
12.3	**Biocumul potential**
	no data available
12.4	**Mobility in soil**
	no data available
12.5	**Results of PBT and vPvB**
	no data available
12.6	**Other adverse effects**
	no data available
12.7	**Interference properties with the endocrine system**
	No interference

13 – DISPOSAL CONSIDERATIONS

13.1	**Waste treatment**
	The product that can not be recycled must be disposed in authorized landfill or destroyed in a high-temperature incinerator designed to burn halogen materials.
13.2	**Packaging treatment**
	Dispose of in authorised landfills according to local laws and regulations.

14 – TRANSPORT INFORMATION

14.1	**Specific hazards**
	The product is not classified as dangerous in transportation
14.2	**Packaging information**
	Product usually shipped in bags within plastic canisters, cardboard boxes or plastic drums, wooden boxes

14.3	**International transport classification**	
	Packaging group:	not assigned
	U.N. Number:	not assigned

15 – REGULATORY INFORMATION

15.1	**EC Regulations**	
	Regulation (CE) n.1907/2006 Regulation (CE) n. 453/2010 Regulation (CE) n. 2015/830	
	Health, safety and environmental laws and regulations specific to the substance or mixture	
	Seveso Category - Directive 2012/18/EU: None	
	Restrictions relating to the product or substances contained according to Annex XVII Regulation (EC) 1907/2006	
	None	
	Regulation (EU) 2019/1148 - relating to the placing on the market and use of explosives precursors	
	Not applicable	
	Substances in Candidate List (Art. 59 REACH)	
	Based on available data, the product does not contain SVHC substances in percentages ≥ 0.1%.	
	Substances subject to authorization (Annex XIV REACH)	
	None	
	Substances subject to export notification requirements Regulation (EU) 649/2012:	
	None	
	Substances subject to the Rotterdam Convention:	
	None	
	Substances subject to the Stockholm Convention:	
	None	
	Sanitary checks	
	Information not available	
15.2	**Classification**	
	Hazard class:	none
	Classification type	not required
15.3	**Labelling**	
	Trade name	4118-Graphited and lubricated glass
	Risk phrases (R)	none
	Safety phrases (S)	none
	Hazard Symbol	none
15.4	**Chemical Safety Assessment**	
	None	

16 – OTHER INFORMATION

16.1	**Text of hazard "H" referred to under sections 2-3**
	none
16.2	**Text of risk phrases "R" mentioned in section 2-3**
	none
16.3	**Other information**
	Safety data sheet according to Regulation (CE) n.1907/2006 and (CE) n.453/2010
	Regulation (EC) N.1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation Service, Authorization and Restriction of Chemicals (REACH), establishing a European Agency for chemicals, What Change 1999/45/EC and repealing Regulation (EEC) 793/93 and Council Regulation (EC) n.1488 /94 the Commission, as well as the Directive 76/769/EEC and Commission Directives 93/67/EEC, 93/105 /EC and 2000/21/EC. Regulation (EU) 453/2010 of the Commission of 20 May 2010 amending Regulation (EC) No. 1907/2006 of the

	European Parliament and the Council. Regulation EEC / EU n ° 453 of 20/05/2010 of the Commission of 20 May 2010 amending Regulation (EC) n.1907 / 2006 of the European Parliament and the Council. Regulation EEC/EU n.1272 of 16/12/2008 "Regulation (EC) n.1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45 / EC, and amending Regulation (EC) N.1907/2006. 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. Regulation (EU) 2018/669 (XI Atp. CLP) 15. Regulation (EU) 2018/1480 (XIII Atp. CLP) 16. Regulation (EU) 2019/521 (XII Atp. CLP) 17. Regulation (EU) 2020/217 (XIV Atp. CLP) 18. Regulation (EU) 2020/1182 (XV Atp. CLP) 19. Regulation (EU) 2021/849 (XVII Atp. CLP) 20. Regulation (EU) 2020/692 (XVIII Atp. CLP) - Merck Index. - 10th edition - Handling of chemical safety - INRS - Fiche Toxicologique (toxicological sheet) - Patty - Industrial hygiene and toxicology - N.I. Sax - Hazardous Properties of Industrial Materials-7, 1989 Edition - IFA GESTIS website - ECHA Agency website - Database of SDS models of chemical substances - Ministry of Health and Higher Institute of Health.

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