

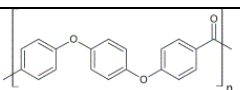
SAFETY DATA SHEET

IN COMPLIANCE WITH REGULATION (EC) 1907/2006 REACH AND (EU) No 2020/878

FM PEEK

Date creation 16/01/2026

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

1.1	Identification of the product	Reprocessed PEEK
	Trade name	FM PEEK (all Types)
	Grade	Moulded and Extrusion
	Structural formula: (of the polymer)	
	Presence of "nanoforms"	There are no nanoforms in this mixture
	Product code	
1.2	Identified uses and recommended for the substance or mixture	
	Recommended use	Product for industrial use only

1.3	Details of the supplier of the safety data sheet	
	Company name	FLUORMETALL srl
	Address	Via Dell'Artigianato,4 – Via Europa Unita,16 – 24069 Trescore Balneario (BG) Italy
	Telephone and fax nr	+39 035 4258560
	e-mail address	info@fluormetall.it
1.4	Emergency Calls	+39 035 4492842 (internal corporate) During office hours Poison Control Centre Turin - Phone +39 011 663 7637 (24 hours) IRCCS Poison Control Centre Maugeri Pavia Foundation - Telephone +39 38 224 444 (24 hours) Interdepartmental Research Centre on Acute Poisoning Padua - Telephone +39 049 8275078 (8: 00-20: 00) Poison Control Centre Rome - Telephone +39 649970698 (24 hours) Poison Control Centre Foggia - Phone +39 881732326 (8: 00-18: 00)

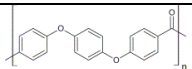
2 – HAZARD IDENTIFICATIONS

2.1	Classification of the substance or mixture		
	This product 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 and 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.		

3 – COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Mixture

3.2 Concentration

Name	Conc.	N° CAS.	Symbol	Risk Phrases
Polyether ether ketone (PEEK)	>99,9%	29658-26-2		None

3.2.2 There are no persistent, bioaccumulative and toxic substances according to the criteria set out in Annex XIII, for very persistent and very bioaccumulative substances according to the criteria of Annex XIII, or for substances included in the list established in accordance with Article 59, paragraph 1, for reasons other than the hazards referred to in letter a).

3.2.3 The full hazard statements are given in section 16

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. Decomposition 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)
	CO ₂
	4 - phenoxy phenol
	1,4 DipHE oxybenzene
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 buildup 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															
8.1.1	Exposure Limit Values															
	Exposure guidelines															
	<table border="1"> <thead> <tr> <th>Ingredient</th> <th>Authority</th> <th>Type</th> <th>Limit</th> <th>Additional information</th> </tr> </thead> <tbody> <tr> <td>Polyether ether ketone</td> <td>ACGHI</td> <td>TWA, as respirable dust</td> <td>3 mg/m³</td> <td>-</td> </tr> <tr> <td>Polyether ether ketone</td> <td>ACGHI</td> <td>TWA, as total dust</td> <td>8 mg/m³</td> <td>-</td> </tr> </tbody> </table>	Ingredient	Authority	Type	Limit	Additional information	Polyether ether ketone	ACGHI	TWA, as respirable dust	3 mg/m ³	-	Polyether ether ketone	ACGHI	TWA, as total dust	8 mg/m ³	-
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	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	Exposure controls															
8.2.1	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.		
	Polyether ether ketone (PEEK)		
9.1.1	General information		
	Technical polymer		
	Properties	Value	Information
	Physical state	Solid	--
	Colour	Natural, Beige	--
	Odor	No odor	--
	Melting or freezing point	343 °C	--
	Initial boiling point	Not applicable	--
	Flammability	Flammable	--
	Lower explosive limit	Not available	--
	Upper explosive limit	Not available	--
	Flash point	595°C	--
	Self-ignition temperature	575 °C	--
	Decomposition temperature	> 350 °C	--
	pH	Not available	--
	Kinematic viscosity	Not available	--
	Solubility	Not soluble	--
	Partition coefficient n-octanol/water	Not available	--
	Vapor pressure	Not available	--
	Density and/or relative density	1,30 g/cm ³	--
	Relative vapor density Particle characteristics	Not available	--

9.2	Other information
9.2.1	Information regarding physical hazard classes
	Information not available
9.2.2	Other safety features
	None

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 Contact with incompatible materials can cause fire and explosion
10.6	Hazardous decomposition products
	CO ₂ , CO, 4-phenoxyphenol, 1-4-diphenoxybenzene 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
	Date not available
11.1.2	Acute inhalation toxicity
	Date not available
11.2	Corrosion / Skin Irritation
	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
	Classification: not a skin sensitizer Result: Does not cause skin sensitisation. Patch test on human volunteers did not demonstrate sensitisation properties
11.5	Mutagenicity
	Date not 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 toxicologically significant effects were found
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	Bioaccumulation potential
	No data available
12.4	Mobility in soil
	No data available
12.5	Results of PBT and vPvB
	No data available
12.6	Properties of endocrine system interference
	No endocrine disruptor presence in concentrations >0.1%
12.7	Other adverse effects
	No data available

13 – DISPOSAL CONSIDERATIONS

13.1	Waste treatment
	The product that cannot be recycled must be disposed in authorised 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																																							
	<p>Legislative Decree 3/2/1997 n. 52 (Classification, packaging and labelling of dangerous substances). Legislative Decree no. 65 of 14/3/2003 (Classification, packaging and labelling of dangerous preparations). Legislative Decree 2/2/2002 n. 25 (Risks deriving from chemical agents during work). Ministerial Decree of Labour 26/02/2004 (Occupational exposure limits); Ministerial Decree 03/04/2007 (Implementation of Directive no. 2006/8/EC). Regulation (EC) No. 1907/2006 (REACH), Regulation (EC) No. 1272/2008 (CLP), Regulation (EC) No. 453/2010 (Requirements for the compilation of safety data sheets), Regulation (EC) No. 790/2009. Legislative Decree no. 238 of 21 September 2005 (Seveso Ter Directive). 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	Hazard class:	None																																						
	Classification type	Not required																																						
15.3	Labelling																																							
	Trade name																																							
	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.
	Bibliography
	<ol style="list-style-type: none"> 1. Regulation (EC) 1907/2006 of the European Parliament (REACH). 2. Regulation (EC) 1272/2008 of the European parliament (CLP) 3. Regulation (EU) 2020/878 (All. II REACH Regulation) 4. Regulation (EC) 790/2009 of the European parliament (I Atp. CLP) 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) 2019/521 (XII Atp. CLP) 16. Delegated Regulation (EU) 2018/1480 (XIII Atp. CLP) 17. Regulation (EU) 2019/1148 18. Delegated Regulation (EU) 2020/217 (XIV Atp. CLP) 19. Delegated Regulation (EU) 2020/1182 (XV Atp. CLP) 20. Delegated Regulation (EU) 2021/643 (XVI Atp. CLP) 21. Delegated Regulation (EU) 2021/849 (XVII Atp. CLP) 22. Delegated Regulation (EU) 2022/692 (ATP XVIII) 23. Delegated Regulation (EU) 2023/1434 (XIX ATP) 24. Delegated Regulation (EU)2023/1435 (XX ATP) 25. Delegated Regulation (EU) 2024/197 (XXI ATP) 26. Delegated Regulation (EU) 2024/2564 (XXII ATP) 27. Delegated Regulation (EU) 2025/1222 (XXIII ATP) <ul style="list-style-type: none"> - The Merck Index. - 10th Edition - Handling Chemical Safety - INRS - Fiche Toxicologique (toxicological sheet) - Patty - Industrial Hygiene and Toxicology - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition - Sito Web IFA GESTIS - Sito Web Agency ECHA <p>Database of model SDSs of chemical substances - Ministry of Health and National Institute of Health</p>

The information contained in this safety data sheet is based on our experience and is correct to the best of our knowledge as of the date of publication, but we accept no liability for any loss, damage or injury resulting from its use (except when required by law). The information may not be valid for any use not indicated in this safety data sheet or the use of the product in combination with other

materials. For these reasons, it is important that customers conduct their own testing to ensure the suitability of the product for their intended applications.

Legend:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service (division della American Chemical Society).
CLP: Classification, Labelling, Packaging.
DNEL: Derived level with no effect.
EINECS: European Inventory of European Chemicals Existing on the Market.
GefStoffVO: Ordinance on Hazardous Substances in Germany.
GHS: Globally Harmonized System of Classification and Labelling of Chemicals.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulations of the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical instructions of the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Dangerous Goods Code.
INCI: International Nomenclature of Cosmetic Ingredients.
KSt: Explosion coefficient.
LC50: Lethal concentration for 50 percent of the test population.
LD50: Lethal dose for 50 percent of the test population.
PNEC: Expected concentration with no effect.
RID: Regulation concerning the international transport of dangerous goods by rail.
STA: Acute Toxicity Estimation
STAmix: Estimation of Acute Toxicity (Mixtures)
STEL: Short-term exposure limit.
STOT: Organ-specific toxicity.
TLV: Threshold limit value.
TWA: Time-Weighted Average
WGK: Water hazard class (Germany)