



Revision: 22.01.16 (Replaces 28.05.12)
Grade name : 90CA, 150CA, 450CA, 650CA

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier Trade name	VICTREX® PEEK 90CA, 150CA, 450CA and 650CA compounds, with Carbon Fibre content as indicated by the grade name
CAS No.	PEEK 31694-16-3 or 29658-26-2
EINECS No.	Not available
REACH Registration No.	Not applicable
1.2 Relevant identified uses of the substance or mixture and uses advised against Identified use(s)	The materials are generally used for injection moulding and extrusion operations. This material is not for human implantation.
Uses advised against	
1.3 Details of the supplier of the safety data sheet Company Identification	Victrex plc, Victrex Technology Centre, Hillhouse International, Thornton-Cleveleys Lancs, UK FY5 4QD
Telephone	++ 44 (0) 1253 897700
Fax:	++ 44 (0) 1253 897701
E-Mail (competent person)	sds@victrex.com
1.4 Emergency telephone number Emergency Phone No.	++ 44 (0) 1253 897754

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture Preparation is not classified as hazardous in the sense of directive 1999/45/EC and 2006/121/EC.	
2.1.1 Regulation (EC) No. 1272/2008 (CLP).	Not classified as dangerous for supply/use.
2.1.2 Directive 67/548/EEC & Directive 1999/45/EC	Not classified as dangerous for supply/use.
2.2 Label elements	None.
2.3 Other hazards	None.
2.4 Additional Information	



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Polyaryletherketone

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	EC No.	REACH Registration No.	Hazard statement(s)
None.	-	-	-	-

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	EC No.	REACH Registration No.	EC Classification and Risk Phrases
None.	-	-	-	-

3.2 Additional Information

For full text of H/P phrases see section 16.

SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact

After contact with skin, wash immediately with plenty of soap and water. In the event of contact with molten product: Cool affected area quickly with water. Do not attempt to remove hardened product. Obtain medical attention.

Eye Contact

Flush eyes with water for at least 15 minutes while holding eyelids open.

Ingestion

Call a physician (or poison control centre immediately). Do not induce vomiting wash out mouth with water. Call a physician (or poison control centre immediately).

4.2 Most important symptoms and effects, both acute and delayed

Unlikely to be required but if necessary treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

Extinguish with waterspray, foam or dry chemical.

Unsuitable Extinguishing Media

None.

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop: Oxides of carbon.

5.3 Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.
Dust is ignitable but will not sustain combustion. It will not train fire, e.g. along beams etc.



SECTION 6: ACCIDENTAL RELEASE MEASURES

- | | |
|--|--|
| 6.1 Personal precautions, protective equipment and emergency procedures | Avoid inhalation and contact with eyes or skin. Ensure sufficient supply of air. Avoid build up of dust. Remove possible cause of ignition – do not smoke. Take precautionary measures against static discharge. |
| 6.2 Environmental precautions | Avoid release to the environment. Prevent surface and ground water infiltration, as well as ground penetration. |
| 6.3 Methods and material for containment and cleaning up | Sweep up carefully with non-sparking tools. Transfer to a lidded container for disposal or recovery. |
| 6.4 Reference to other sections | |
| 6.5 Additional Information | |

SECTION 7: HANDLING AND STORAGE

- | | |
|---|---|
| 7.1 Precautions for safe handling | <p>General hygiene measures for the handling of chemicals are applicable. Eating, drinking, smoking, as well as food storage, is prohibited in work room. Avoid build up of dust. Local Exhaust Ventilation at the workplace or on the processing machines required. Note: Danger of explosive dust</p> <p>Machine Cleaning (purging): Purging with other polymers (e.g. Polyethylene) at high temperatures can be hazardous. Auto ignition may also occur. Local exhaust ventilation is required. The relevant Safety Data Sheet for the purge material to be used should be consulted. Additional information can be obtained from the Victrex website www.victrex.com</p> |
| 7.2 Conditions for safe storage, including any incompatibilities | Store products enclosed, in original packing. |
| Storage Temperature
Storage Life
Incompatible materials | Store at room temperature.
> 10 Year(s).
None known |
| 7.3 Specific end use(s) | The materials are generally used for compression moulding and coating operations. |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- | | |
|---|------|
| 8.1 Control parameters | |
| 8.1.1 Occupational exposure limits | None |

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note:
Dust. (general dust limit value)	-	-	10			Inhalable Dust
			4			Respirable Dust.
Fibre dust inorganic			2 fibres/ml 5mg/m ³			

- | | |
|-------------------------------------|----------------|
| 8.1.2 Biological limit value | None |
| 8.1.3 PNECs and DNELs | Not available. |

- | | |
|---|--|
| 8.2 Exposure controls | |
| 8.2.1 Appropriate engineering controls | Local Exhaust Ventilation at the workplace or on the processing machines required. |



Revision: 22.01.16 (Replaces 28.05.12)
Grade name : 90CA, 150CA, 450CA, 650CA

8.2.2 Personal protection equipment

Eye/face protection



Eye protection with side protection (EN 166)

Skin protection (Hand protection/ Other)



Impervious Gloves. Plastic or synthetic rubber gloves
 Additional information on hand protection – No tests have been performed.
 When dealing with heated material: Insulating gloves EN 407 (heat)
 If above exposure limits are likely to be exceeded, breathing mask with fine dust filter (EN 143)

Respiratory protection



8.2.3 Environmental Exposure Controls

No special requirements.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Solid
Colour.	Black(Granulate)
Odour	Odourless
Odour threshold (ppm)	None
pH (Value)	Not applicable
Melting point (°C) / Freezing point (°C)	343°C
Boiling point/boiling range (°C):	Not known.
Flash point (°C)	Not known.
Evaporation rate	Not known.
Flammability (solid, gas)	Solid , Non-flammable
Explosive limit ranges	Not explosive. See Section:9.2
Vapour pressure (Pascal)	39.6 (@107°C)
Vapour density (Air=1)	Not known
Bulk Density (g/ml)	CA30 ~1.4
Solubility (Water)	Insoluble
Solubility (Other)	Insoluble
Partition coefficient (n-Octanol/water)	Not known
Auto ignition point (°C)	595 °C
Decomposition temperature (°C)	> 450 °C
Viscosity (mPa. s)	Not known
Explosive properties	Not explosive, May form explosive dust clouds in air.
Oxidising properties	Not oxidising

9.2 Other information

Danger of dust explosion.
 Contains carbon fibre. Dusts from this compound may be electrically conductive.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Stable under normal conditions.



Revision: 22.01.16 (Replaces 28.05.12)
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10.4	Conditions to avoid	Stable under normal conditions. Electrostatic charge. Open flame, ignition sources. Decomposes at temperatures above (°C):
10.5	Incompatible materials	Concentrated Sulphuric acid
10.6	Hazardous Decomposition Product(s)	Oxides of carbon

SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
11.1.1	Substances	
	Acute toxicity	
	Ingestion	Predicted to be low toxicity under normal conditions of handling and use.
	Inhalation	Mechanical irritation of the respiratory tract.
	Skin Contact	Repeated and/or prolonged skin contact may cause irritation. In the event of contact with molten product: Thermal Burns (molten polymer will adhere to skin and cause severe burns).
	Eye Contact	No data. Dust may have irritant effect on eyes. Permanent damage is unlikely.
	Hazard label(s)	Not known
	Serious eye damage/irritation respiratory or skin sensitization	Not known
	Mutagenicity	Not known
	Carcinogenicity	Not known
	Reproductive toxicity	Not known
	STOT - single exposure	Not known
	STOT - repeated exposure	Not known
	Aspiration hazard	Not known
11.1.2	Mixtures	
		Not applicable
11.2	Other information	None

SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Low toxicity to aquatic organisms.
12.2	Persistence and degradability	Not readily biodegradable.
12.3	Bioaccumulative potential	Not classified as PBT or vPvB.
12.4	Mobility in soil	The product has low mobility in soil. The product has low mobility in sediment.
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	None anticipated

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Disposal should be in accordance with local, state or national legislation.
13.2	Additional Information	None



Revision: 22.01.16 (Replaces 28.05.12)
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SECTION 14: TRANSPORT INFORMATION

14.1 Land transport (ADR/RID)	Not classified as dangerous for transport.
UN number	Not applicable
Proper Shipping Name	Not applicable
14.2 Sea transport (IMDG)	Not classified as dangerous for transport.
UN number	Not applicable
Proper Shipping Name	Not applicable
14.3 Air transport (ICAO/IATA)	Not classified as dangerous for transport.
UN number	Not applicable
Proper Shipping Name	Not applicable
14.4 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Not classified as dangerous for supply/use.
15.1.1 EU regulations	
Authorisations and/or restrictions on use	None
United States (TSCA)	Listed
15.1.2 National regulations	None
15.2 Chemical Safety Assessment	Not relevant for this material.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
DNEL	Derived No Effect Level
PNEL	Predicted No Effect Concentration

References:

Workplace Exposure Limit (UK HSE EH40)

Risk Phrases and Safety Phrases

None

Hazard statement(s) and Precautionary statement(s)

None

Training advice:

www.victrex.com

Additional Information



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Manufactured in the UK under a Quality System approved to ISO 9001:2008 by Victrex Plc.

Additional information on the properties, processing and application of VICTREX polymers is available at www.victrex.com. These details refer to the product as it is delivered.

The statements made here should describe the product with regard to the necessary safety precautions – they are not meant to guarantee definite characteristics – but they are based on our present up-to-date knowledge.

Revision: 22/01/16 Previous edition 28/05/12

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