



Revision: 2 Apr 2019
Grade name : CT200

SAFETY DATA SHEET

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

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

1.1 Product Identifier

Identification of the substance or preparation:

VICTREX CT™200

Reach Registration Number:

Not available

1.2 Relevant identified uses of the substance or mixture and uses advised against

Intended uses:

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, FY5 4QD, UK

Telephone:

++ 44 (0) 1253 897700

Fax:

++ 44 (0) 1253 897701

1.4 Emergency Phone No

Emergency Phone No.

++ 44 (0) 1253 897754

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

Product will burn in fire.

Product contains PTFE. The major health hazard associated with this material is the inhalation of thermal decomposition products. Contamination of tobacco products MUST be avoided.

2.4 Additional Information

None

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

Preparation consists of PolyArylEtherKetone

This product does not contain any reportable hazardous materials

EC Classification No. 1272/2008

HAZARDOUS INGREDIENT(S)	%W/W	CAS No.	EC No.	EC Classification
None.	-	-	-	-

EC Classification No. 67/548/EEC

HAZARDOUS INGREDIENT(S)	%W/W	CAS No.	EC No.	EC Classification
None.	-	-	-	-

3.2 Additional Information

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

4. FIRST AID MEASURES



4.1 Description of First Aid Measures

Inhalation

Remove patient from exposure. Keep patient at rest and give oxygen if breathing difficult. If symptoms develop, obtain medical attention.

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

Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. If symptoms persist, obtain medical attention.

Ingestion

May cause headache, nausea and vomiting. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Further Medical Treatment

Unlikely to be required but if necessary treat symptomatically.

Special resources necessary for first aid

No data.

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

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media

As appropriate for surrounding fire. Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Unsuitable extinguishing media

None known

Special hazards arising from the substance or mixture

In case of fire the following can develop: When glowing and during combustion, CO/CO₂ is generated as well as the potential for the release of degradation products such as Hydrogen Fluoride, Tetrafluoroethylene, Hexafluoropropylene, Perfluoroisobutylene and Carbonyl Fluoride

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. A high temperature source of ignition is required. Insensitive to sparks. The minimum spark energy required for ignition of a dust cloud is greater than 5000mJ. It will not train fire, e.g. along beams etc.

6. ACCIDENTAL RELEASE MEASURES

Refer to Section 13 and for personal protection refer to section 8

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

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

See Section: 6.1. General hygiene measures for the handling of chemicals are applicable. When using do not smoke. 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

Contamination of tobacco products MUST be avoided. "Polymer Fume Fever" is particularly associated with the smoking of contaminated tobacco products. This

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condition is characterised by influenza-type symptoms occurring a few hours after exposure and lasting up to 48 hours.

PTFE begins to decompose very slowly above 260°C and increases rapidly above 360°C. Processing above these temperatures yields a range of high toxicity and corrosive products and therefore is not recommended without the use of LEV.

Machine Cleaning (purging): Purging with other polymers (e.g. Polyethylene) at high temperatures can be hazardous. They may emit decomposition fumes which contain oxides of carbon and irritants. 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

7.2 Conditions for safe storage, including any incompatibilities

Store products enclosed, in original packing.

Special storage conditions:

See Section: 10.2. Store in dry place.

Storage Temperature:

Ambient.

Storage Life:

>10 years

Specific use:

Industrial use only.

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/m³)	STEL (ppm)	STEL (mg/m³)	Note:
Dust. (general dust limit value)	-		10			Inhalable Dust.
			4			Respirable Dust.

8.1.2 Biological Limit Value

None

8.1.3 PNECs and DNELs

None

8.2 Exposure Controls

8.2.1 Appropriate Engineering Controls

Local Exhaust Ventilation at the workplace or on the processing machines required.

8.2.2 Personal Protection Equipment



Respiratory Protection

If above exposure limits are likely to be exceeded, breathing mask with fine dust filter (EN 143)



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).

Other

Protective working garments (e.g. safety shoes EN 344, long sleeved protective working garments).

8.2.3 Environmental Exposure Controls

No special requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	Solid. (Granulate)
Colour	Green
Odour	Odourless.
pH (Value)	Not known.

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Boiling Point (°C)	Not known.
Melting Point (°C)	340-380
Flammability (solid / gas)	Solid, non-flammable
Explosive Limit Ranges	Not explosive
Vapour Pressure (Pa)	Not known
Vapour Density (air = 1)	Not known
Flash Point (°C)	Not known.
Evaporation Rate	Not known
Auto Ignition Temperature (°C)	595
Decomposition Temperature (°C)	>450
Oxidising Properties	Not applicable.
Vapour Pressure (Pascal)	Not known.
Density (g/ml)	1.3-1.8
Solubility (Water)	Insoluble.
Solubility (Other)	Not known
Partition Coefficient (n-Octanol/water)	Not known
Explosive Properties	Not explosive. May form explosible dust clouds in air.
Oxidising Properties	Not oxidizing

9.2 Other information Danger of dust explosion.

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.
10.4 Conditions to avoid	Stable under normal conditions.
10.5 Incompatible materials	Concentrated Sulphuric acid
10.6 Hazardous Decomposition Product(s)	When glowing and during combustion, CO/CO ₂ is generated as well as the potential for the release of degradation products such as Hydrogen Fluoride, Tetrafluoroethylene, Hexafluoropropylene, Perfluoroisobutylene and Carbonyl Fluoride.

11. TOXICOLOGICAL INFORMATION

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	Not known
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

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11.1.2	Mixtures	Not applicable
11.2	Other information	None
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
13. DISPOSAL CONSIDERATIONS		
13.1	Waste treatment methods	Disposal should be in accordance with local, state or national legislation.
13.2	Additional Information	The waste codes are recommendations based on the scheduled use of this product. For alternative uses and applications, other waste codes may be allocated under certain circumstances. 07 02 13- waste plastic, 07 02 99-waste not otherwise specified.
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
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
15.1.2	National regulations	None
15.2	Chemical Safety Assessment	Not relevant for this material.
16. OTHER INFORMATION		
The following sections contain revisions or new statements: 1-16.		

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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

Manufactured in the UK under a Quality System approved to ISO 9001:2015 by Victrex Plc.

This Safety Data Sheet was prepared in accordance with Directive 2001/58/EC.

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

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.

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