



Revision: 08.09.14 (Replaces 24.07.12)  
Grade name : VICTREX® HT™ Powder P22  
& P45, Granules: G22 & G45

## 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

<b>1.1 Product identifier</b>	
Trade name	<b>VICTREX® Powder: P22 and P45</b> <b>VICTREX® Granules: G22 and G45</b>
CAS No.	27380-27-4
EINECS No.	Not available
REACH Registration No.	Not applicable
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified use(s)	The materials are generally used for injection moulding and extrusion operations.
Uses advised against	This material is not for human implantation.
<b>1.3 Details of the supplier of the safety data sheet</b>	
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
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	++ 44 (0) 1253 897754

### SECTION 2: HAZARDS IDENTIFICATION

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



- 2.3 **Other hazards** None.  
 2.4 **Additional Information**

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

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 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 the immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.



## SECTION 5: FIRE-FIGHTING MEASURES

- |  |  |
|--|--|
| <b>5.1 Extinguishing media</b><br>Suitable Extinguishing Media<br>Unsuitable Extinguishing Media | Extinguish with waterspray, foam or dry chemical.<br>None.   |
| <b>5.2 Special hazards arising from the substance or mixture</b>                                 | In case of fire the following can develop: Oxides of carbon.   |
| <b>5.3 Advice for fire-fighters</b>  | A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.<br>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 5000 mJ. It will not train fire, e.g. along beams etc. |

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- |  |  |
|--|--|
| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> | 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. |
| <b>6.2 Environmental precautions</b>   | Avoid release to the environment. Prevent surface and ground water infiltration, as well as ground penetration.  |
| <b>6.3 Methods and material for containment and cleaning up</b>                | Sweep up carefully with non-sparking tools. Transfer to a lidded container for disposal or recovery.   |
| <b>6.4 Reference to other sections</b>   |  |
| <b>6.5 Additional Information</b>  |  |

## SECTION 7: HANDLING AND STORAGE

- |  |  |
|--|--|
| <b>7.1 Precautions for safe handling</b>   | 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<br><br>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 <a href="http://www.victrex.com">www.victrex.com</a> |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b><br>Storage Temperature<br>Storage Life<br>Incompatible materials | Store products enclosed, in original packing.<br><br>Store at room temperature.<br>> 10 Year(s).<br>None known   |
| <b>7.3 Specific end use(s)</b>   | The materials are generally used for injection moulding and extrusion 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 <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	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** Not available.

### 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

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)

Respiratory protection



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

**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	White (Powder) Grey/Brown. (Granulate)
Odour	Odourless
Odour Threshold (ppm)	None
pH (Value)	Not applicable
Melting Point (°C) / Freezing Point (°C)	372°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.
Vapour Pressure (Pascal)	Not known
Vapour Density (Air=1)	Not known
Bulk Density (g/ml)	~1.3
Solubility (Water)	Insoluble
Solubility (Other)	Insoluble
Partition Coefficient (n-Octanol/water)	Not known
Auto Ignition Temperature (°C)	595°C



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	Decomposition Temperature (°C)	> 450°C
	Viscosity (mPa.s)	Not known
	Explosive properties	Not explosive, May form explosible dust clouds in air.
	Oxidising properties	Not oxidising
<b>9.2</b>	<b>Other information</b>	None

## SECTION 10: STABILITY AND REACTIVITY

<b>10.1</b>	<b>Reactivity</b>	Stable under normal conditions.
<b>10.2</b>	<b>Chemical stability</b>	Stable under normal conditions.
<b>10.3</b>	<b>Possibility of hazardous reactions</b>	Stable under normal conditions.
<b>10.4</b>	<b>Conditions to avoid</b>	Stable under normal conditions.
<b>10.5</b>	<b>Incompatible materials</b>	Concentrated Sulphuric acid
<b>10.6</b>	<b>Hazardous Decomposition Product(s)</b>	Oxides of carbon

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1</b>	<b>Information on toxicological effects</b>	
<b>11.1.1</b>	<b>Substances</b>	
	<b>Acute toxicity</b>	
	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.
	<b>Hazard label(s)</b>	Not known
	<b>Serious eye damage/irritation</b>	Not known
	<b>respiratory or skin sensitization</b>	Not known
	<b>Mutagenicity</b>	Not known
	<b>Carcinogenicity</b>	Not known
	<b>Reproductive toxicity</b>	Not known
	<b>STOT-single exposure</b>	Not known
	<b>STOT-repeated exposure</b>	Not known
	<b>Aspiration hazard</b>	Not known
<b>11.1.2</b>	<b>Mixtures</b>	Not applicable
<b>11.2</b>	<b>Other information</b>	None



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## SECTION 12: ECOLOGICAL INFORMATION

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

## SECTION 13: DISPOSAL CONSIDERATIONS

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

## SECTION 14: TRANSPORT INFORMATION

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

## SECTION 15: REGULATORY INFORMATION

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	Not classified as dangerous for supply/use.
15.1.1	<b>EU regulations</b> Authorisations and/or restrictions on use	None
15.1.2	<b>National regulations</b> TSCA	Listed
15.2	<b>Chemical Safety Assessment</b>	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**

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

Additional information can be obtained from the Victrex website 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: 08/09/14 Previous edition 24/07/12**

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