



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 **VICOTE™ Dispersion F817**
- 1.2 Other means of identification**
CAS No. Not applicable.
EC No. Not applicable.
REACH Registration No. Not applicable.
- 1.3 Recommended use of the substance and restrictions on use**
Identified use(s) The materials are generally used for coatings.
- 1.4 Details of the supplier of the safety data sheet**
- 1.4.1 Manufacturer Details**
Company Identification Victrex Manufacturing Ltd.
Hillhouse International, Thornton-Cleveleys
Lancashire, UK - FY5 4QD
Telephone + 44 (0) 1253 897700
Fax: + 44 (0) 1253 897701
E-Mail (competent person) RAPS@victrex.com
- 1.4.2 Only Representative details**
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Dlugosza 67,
43-188 Orzesze,
Poland
Telephone: +48 501168430
E-Mail (competent person) pawelskiba@stewardshipsolutions.eu
- 1.4.3 Regional Importer Address** See section 16 for regional importer / supplier information
- 1.5 Emergency telephone number**
Emergency Phone No. + 44 (0) 1253 897754 – UK (24/7)
Hours of operation 09:00 – 17:00 (Monday – Friday)
+(49) 6192 964 900 - Europe
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+86-21-6113 6900 - China

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Regulation (EC) No. 1272/2008 (CLP).

H318: Causes serious eye damage.

2.2 Label elements (GHS)

GHS Product Identifier

Hazard pictogram(s)

According to Regulation (EC) No. 1272/2008 (CLP).

VICOTE™ Dispersion



Signal word(s)

DANGER.

Hazard statement(s)

H317: May cause an allergic skin reaction

H318: Causes serious eye damage

H412: Harmful to aquatic life with long lasting effects

Precautionary statement(s)

Prevention:

P261 + P272, P280 –

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

P264 + P265, P280

Wash hands thoroughly after handling. Do not touch eyes.

P273 - Avoid release to the environment.

Response:

P302+P352, P333 + P313, P321, P362 + P364

IF ON SKIN: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention. Specific treatment, take off contaminated clothing and wash it before reuse.

P305 + P354 + P338, P317

IF IN EYES: Immediately rinse with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Get emergency medical help.

2.3 Other hazards

Not classified as PBT or vPvB.

PEEK polymer does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

Not explosive

2.4 Additional Information None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Classification according to Regulation EC No. 1272/2008 [CLP]:

Hazardous ingredient(s)	%W/W	EC No.	CAS No.	REACH Registration No.	Hazard statement(s)
Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	< 1.5%	9014-85-1	500-022-5	01-2119954393-33-0000	H317/H318/H412
Docosate Sodium	<1%	209-406-4	577-11-7	01-2119491296-29-0000	H315/H318
Alcohol	<0.2%	200-578-6	64-17-5	None	H225
Amino ether	<1%	203-815-1	110-91-8	None	H226/H302/H312/H314/H332
2-(2-butoxyethoxy)ethanol	<1.5%	203-961-6	112-34-5	01-2119475104-44-0000	H319
Cobalt aluminate blue spinel	< 5%	1345-16-0	310-193-6	01-2119963940-31-0013	Not classified *1

The full composition of the product is confidential

3.2 Additional Information

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

This product is 20-30% synthetic polymer microparticles*² as defined in Entry 78 of Annex XVII to Regulation (EC) No 1907/2006.

*¹ VICOTE™ Dispersion F817 contains a blue pigment. This substance is not classified according to CLP Regulation EC No. 1272/2008. Supplementary information on this substance provided by the manufacturer - *May cause skin and eye irritation. Inhalation of dusts may cause respiratory irritation. Avoid contact with eyes and prolonged or repeated contact with skin.*

*²polyetheretherketone (PEEK) polymer (CAS No. 29658-26-2 or 31694-16-3),

SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

Remove to fresh air immediately. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Obtain immediate medical attention.



Skin Contact	After contact with skin, wash immediately with plenty of water. Remove contaminated clothing and wash all affected areas with plenty of water.
Eye Contact	Flush eyes with water for at least 2 minutes while holding eyelids open.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
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	In case of fire, use water spray, foam, dry powder or CO2 for extinction.
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.
5.4 Other	Dispose of contaminated extinction water according to official regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Avoid inhalation and contact with eyes or skin. Ensure adequate ventilation to remove vapours, fumes, dust etc.
6.2 Environmental precautions	Avoid release to the environment. Prevent surface and ground water infiltration, as well as ground penetration. This product contains synthetic polymer microparticles as amended by Regulation (EU) 2023/2055. The synthetic polymer microparticles supplied is subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council.
6.3 Methods and material for containment and cleaning up	Cover spills with inert absorbent material. Sweep up and shovel into waste drums or plastic bags.
6.4 Reference to other sections	See sections 8,13
6.5 Additional Information	None.



SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Do not get in eyes. Avoid inhalation and contact with eyes or skin. Use adequate ventilation to remove vapours (fumes, dust etc). Wash thoroughly after handling.
- 7.2 Conditions for safe storage, including any incompatibilities** Keep away from naked flames and hot surfaces. Keep container tightly closed and dry.
Storage Temperature Store at room temperature.
Storage Life 1 Year from opening
Incompatible materials None known
- 7.3 Specific end use(s)** Coatings

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters** Ensure adequate ventilation.
- 8.1.1 Occupational exposure limits** None.

SUBSTANCE.	CAS No.	LTCL (8 hr TWA ppm)	LTCL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	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

Derived No Effect Level (DNELs)

Surfactant

Industrial	Dermal	31.3	mg/kg/day	Long Term, Systemic effects
Industrial	Inhalation	44.1	mg/m ³	Long Term, Systemic effects
Professional	Dermal	18.8	mg/kg/day	Long Term, Systemic effects
Professional	Inhalation	13	mg/m ³	Long Term, Systemic effects
Professional	Oral	18.8	mg/kday	Long Term, Systemic effects

Predicted No Effect Concentration (PNECs)

Surfactant

Fresh water	0.0066	mg/L
Marine water	0.0007	mg/L
Intermittent water release	0.066	mg/L
Sedimentation	0.653	mg/kg
Soil	0.138	mg/kg
STP	122	mg/L

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)

Avoid contact with eyes. A washing facility/water for eye and skin cleaning purposes should be present.

Skin protection (Hand protection/ Other)



Impervious Gloves. Plastic or synthetic rubber gloves.

Additional information on hand protection – No tests have been performed.

Respiratory protection



Respiratory protection is required for working places not sufficiently ventilated and during the spraying processing.

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	Liquid
Colour.	blue
Odour	Odourless
Odour threshold (ppm)	Not known
pH (Value)	Not known
Melting point (°C)	343°C (Dry product)
Boiling point/boiling range (°C):	Not known.
Flash point (°C)	Not known.
Evaporation rate	Not known.
Flammability (solid, gas)	Not known
Explosive limit ranges	Not known
Vapour pressure (Pascal)	Not known
Vapour density (Air=1)	Not known
Bulk Density (g/ml)	Not known
Solubility (Water)	Not known
Solubility (Other)	Not known
Partition coefficient (n-Octanol/water)	Not known
Auto ignition point (°C)	595°C
Decomposition temperature (°C)	Not known
Viscosity (mPa. s)	Not known
Kinematic viscosity (mm ² /s)	Not applicable
Particle characteristics	Not applicable

No 'Nanoparticles' or 'Nanomaterial' substances (per the definition in EU Commission Recommendation 2022/3689/EU) have been generated in the manufacturing process, nor intentionally added to the Victrex grades detailed above.

9.2 Other information

None

9.2.1 Information with regard to physical hazard classes

Explosives

Not explosive.



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	Not known
10.4 Conditions to avoid	Stable under normal conditions. Electrostatic charge (dry product)
10.5 Incompatible materials	Concentrated Sulphuric acid
10.6 Hazardous Decomposition Product(s)	When glowing and during combustion, CO/CO ₂ is generated (oxides of carbon)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

11.1.1 Substances

Acute toxicity

Ingestion	Not classified
Inhalation	Not classified
Skin Contact	Not classified
Eye Contact	Not classified

Hazard label(s)

Not known

Skin corrosion/irritation

Not classified

Serious eye damage/irritation respiratory or skin sensitization

Causes serious eye damage
Not classified

Mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

STOT - single exposure

Not classified

STOT - repeated exposure

Not classified

Aspiration hazard

Not classified

11.1.2 Mixtures

Acute toxicity

Ingestion	Not classified.
Inhalation	Not classified.
Skin Contact	Not classified.
Eye Contact	Not classified.

Skin corrosion/irritation

Not classified.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitization

Not classified.

Germ cell mutagenicity

Not classified.

Carcinogenicity

Not classified.

Reproductive toxicity

Not classified.



STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.
11.2 Information on other hazards	None
11.2.1 Endocrine disrupting properties	PEEK polymer does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher
11.2.2 Other information	None

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Low toxicity to aquatic organisms.
Surfactant	Fish LC50 20-40mg/L Oncorhynchus mykiss(96h) LC50 37mg/L Lepomis macrochirus (96h) LC50 <24mg/L Oncorhynchus mykiss (96h)
	Water Flea EC50 36mg/L Daphnia magna (48h)
12.2 Persistence and degradability	Not determined
12.3 Bioaccumulative potential	Not determined
12.4 Mobility in soil	Not determined
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6 Endocrine disrupting properties	PEEK polymer does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher
12.7 Other adverse effects	None anticipated

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Disposal should be in accordance with local, regional, state or national legislation.
13.2 Additional Information	The European 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. This product contains synthetic polymer microparticles as amended by Regulation (EU) 2023/2055. The synthetic polymer microparticles supplied is subject to conditions laid down by entry 78 of Annex XVII to Regulation

(EC) No 1907/2006 of the European Parliament and of the Council.
Measures should be taken to prevent releases of synthetic polymer microparticles to the environment.
Sweep up spillages immediately and transfer to a container for disposal. Do not release waste to sewers.

SECTION 14: TRANSPORT INFORMATION

14.1 Land transport (ADR/RID)

UN number

Not classified according to the United Nations
'Recommendations on the Transport of Dangerous Goods'.

Proper Shipping Name

14.2 Sea transport (IMDG)

UN number

Proper Shipping Name

14.3 Air transport (ICAO/IATA)

UN number

Proper Shipping Name

14.4 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Label According to (EC) No 1272/2008
Hazard pictogram(s)



Hazard statement(s)

H317: May cause an allergic skin reaction

H318: Causes serious eye damage

H412: Harmful to aquatic life with long lasting effects

Precautionary statement(s)

Prevention:

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing should not be allowed out of the workplace.

Wash hands thoroughly after handling. Do not touch eyes.

Wear protective gloves/protective clothing/eye protection/face protection.

Avoid release to the environment.

Response:

IF ON SKIN: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Specific treatment, take off contaminated clothing and wash it before reuse.

IF IN EYES: Immediately rinse with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Get emergency medical help.

15.1.1 EU regulations

Authorisations and/or restrictions on use

2-(2-butoxyethoxy)ethanol

CAS No. 112-34-5; EC No. 203-961-6.

REACH Restriction (Annex XVII) - Shall not be placed on the market in concentrations equal to or greater than 3 % by weight.

This product contains synthetic polymer microparticles as amended by Regulation (EU) 2023/2055.

The synthetic polymer microparticles supplied is subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council.

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: Updated in line with Regulation (EU) 2020/878 and (EU) 2023/2055

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):

H317: May cause an allergic skin reaction

H318: Causes serious eye damage.

H412: Harmful to aquatic life with long lasting effects



H315: Causes skin irritation.
H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H332: Harmful if inhaled.
H319: Causes serious eye irritation

Precautionary statement(s)

P261 + P272, P280 – Avoid breathing dust/fume/gas/mist/vapors/spray.
Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
P264 + P265 - Wash hands thoroughly after handling. Do not touch eyes.
P273 - Avoid release to the environment.
P302+P352, P333 + P313, P321, P362 + P364 - IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment, take off contaminated clothing and wash it before reuse.
P305 + P354 + P338, P317 - IF IN EYES: Immediately rinse with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing. Get emergency medical help.

Training advice: www.victrex.com

Additional Information

Manufactured in the UK by Victrex Manufacturing Ltd, under a Quality System approved to ISO 9001.

For the latest copy of this MSDS please check our website here [Material Safety Data Sheets \(MSDS\) - Victrex](#)

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.

Regional Importer Addresses

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[Victrex Global Sites](#)

This information is provided "as is". It is not intended to amount to advice. Use of the product is at the customer's/user's risk. It is the customer's/user's responsibility to thoroughly test the product in each specific application to determine its performance, efficacy and safety for each end-use product, device or other application and compliance with applicable laws, regulations and standards. Mention of a product is no guarantee of availability. Victrex reserves the right to modify products, data sheets, specifications and packaging. **Victrex makes no warranties, express or implied (including, without limitation, any warranty of fitness for a particular purpose or of intellectual property non-infringement) and will not be liable for any loss or damage of any nature (however arising) in connection with customer's/user's use or reliance on this information, except for any liability which cannot be excluded or limited by law.** This document may be modified or retracted at any time without notice to the customer/user.

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