



Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

- Product Name** • Norton® ETFE Film
- SDS Number/Grade** • SMP 5.0.0.14

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

- Relevant identified use(s)** • High temperature laminate, chemical resistance, mold release film

1.3 Details of the supplier of the safety data sheet

- Manufacturer** • Saint-Gobain Performance Plastics Corporation
 150 Dey Road
 Wayne, NJ 07470
 United States
- WANJ.SDS@saint-gobain.com
- Telephone (General)** • 973-696-4700

1.4 Emergency telephone number

- Manufacturer** • 800-255-3924 - ChemTel
- Manufacturer** • +01-813-248-0585 - Worldwide

Section 2: Hazards Identification

EU/EEC

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
 According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

- CLP** • Not classified

2.2 Label Elements

- CLP**
- Hazard statements** • No label elements(s) required

DSD/DPD

2.3 Other Hazards

- CLP** • This material is exempt from CLP/REACH obligations as an article as specified in REACH (1907/2006) and related ECHA guidance.
- DSD/DPD** • Under European Directive 1999/45/EC these product(s) are exempt and considered

manufactured article(s) under stated normal conditions of use.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012 • Not classified

2.2 Label elements

OSHA HCS 2012

Hazard statements • No label element(s) required

2.3 Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200(c) - Hazard Communication Standard), the product(s) listed above are exempt as article(s) under stated normal conditions of use.

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

3.2 Mixtures

Composition		
Chemical Name	Identifiers	%
Ethylene-Tetrafluoroethylene Copolymer	CAS:94228-79-2	> 99%
Inert pigment (heavy metal free)	NDA	< 1%
..... Perylene Derivative [100%]	CAS:3049-71-6	< 1%
..... ETFE [100%]	CAS:25038-71-5	< 1%
..... 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene [100%]	CAS:68258-85-5	< 1%

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, move person to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. Wash skin with soap and water. If signs/symptoms develop, get medical attention.

Eye

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If contact with material occurs flush eyes with water. If signs/symptoms develop, get medical attention.

Ingestion

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Under normal conditions of use, no health effects are expected.

4.3 Indication of any immediate medical attention and special treatment needed**Notes to Physician**

- No specific actions or treatments recommended related to exposure to this material.

Section 5 - Firefighting Measures**5.1 Extinguishing media****Suitable Extinguishing Media**

- Material is non-combustible. In case of fire use media as appropriate for surrounding fire.

Unsuitable Extinguishing Media

- None known.

5.2 Special hazards arising from the substance or mixture**Unusual Fire and Explosion Hazards**

- Hazardous gases/vapors produced in fire are hydrogen fluoride (HF), carbon monoxide, potentially toxic fluorinated compounds.

Hazardous Combustion Products

- Hydrogen fluoride (HF), carbon monoxide, potentially toxic fluorinated compounds.

5.3 Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Section 6 - Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures****Personal Precautions**

- No special precautions expected to be necessary if material is used under ordinary conditions and as recommended.

Emergency Procedures

- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended. Use normal clean up procedures.

6.2 Environmental precautions

- No special precautions necessary.

6.3 Methods and material for containment and cleaning up**Containment/Clean-up Measures**

- In case of spills or other release: Spilled material may be a slipping hazard. Recover undamaged and minimally contaminated material for reuse and/or reclamation.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage**7.1 Precautions for safe handling****Handling**

- Use good safety and industrial hygiene practices. Use only in well ventilated areas. To avoid thermal decomposition, do not overheat. Avoid breathing fumes generated during overheating of this product.

7.2 Conditions for safe storage, including any incompatibilities**Storage**

- Store in a cool, dry place.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines • No applicable exposure limits available for product or components.

8.2 Exposure controls

Engineering Measures/Controls • No special ventilation systems are required under normal conditions of use. Good general ventilation is acceptable for most conditions.

Personal Protective Equipment

Respiratory • No respiratory protection is required under normal conditions and use.

Eye/Face • Use of safety glasses is recommended.

Skin/Body • No skin protection is ordinarily required under normal conditions of use.

Environmental Exposure Controls • Follow best practice for site management and disposal of waste.

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Colored transparent film.
Color	No data available	Odor	Odorless
Odor Threshold	No data available		
General Properties			
Boiling Point	Not relevant	Melting Point	230 to 270 C(446 to 518 F)
Decomposition Temperature	>= 270 C(>= 518 F)	pH	Not relevant
Specific Gravity/Relative Density	1.7 Water=1	Water Solubility	Insoluble
Viscosity	No data available	Explosive Properties	No data available
Oxidizing Properties:	No data available		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	Not relevant		
Flammability			
Flash Point	470 C(878 F)	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Avoid exposure to open flame or temperatures exceeding recommended processing temperatures.

10.5 Incompatible materials

- Finely divided metal powders, potent oxidizers like fluorine and related compounds.

10.6 Hazardous decomposition products

- Thermal decomposition beginning at about 270°C (518°F) may evolve hydrogen fluoride (HF), carbonyl fluoride, and other perfluoroolefins.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

GHS Properties	Classification
Acute toxicity	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
Aspiration Hazard	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
Carcinogenicity	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
Germ Cell Mutagenicity	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
Skin corrosion/Irritation	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
Skin sensitization	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
STOT-RE	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
STOT-SE	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
Toxicity for Reproduction	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
Respiratory sensitization	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant
Serious eye damage/Irritation	EU/CLP • Not relevant OSHA HCS 2012 • Not relevant

Route(s) of entry/exposure

- Inhalation, skin, eye, ingestion

Potential Health Effects

Inhalation

Acute (Immediate)

- If material is heated, vapors of fluorinated polymers may cause polymer fume fever

with flu-like symptoms in humans, Especially when smoking contaminated tobacco. Symptoms include headache, shortness of breath, and cough.

Chronic (Delayed)

- Under normal conditions of use, no health effects are expected.

Skin

Acute (Immediate)

- Under normal conditions of use, no health effects are expected. If material is overheated exposure to decomposition products may cause irritation, redness or burns.

Chronic (Delayed)

- Under normal conditions of use, no health effects are expected.

Eye

Acute (Immediate)

- Under normal conditions of use, no health effects are expected. If material is overheated exposure to decomposition products may cause irritation, redness or burns.

Chronic (Delayed)

- Under normal conditions of use, no health effects are expected.

Ingestion

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- Under normal conditions of use, no health effects are expected.

Section 12 - Ecological Information

12.1 Toxicity

- No information available for the product.

12.2 Persistence and degradability

- No information available for the product.

12.3 Bioaccumulative potential

- No information available for the product.

12.4 Mobility in Soil

- No information available for the product.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not regulated	NDA	NDA	NDA

TDG	NDA	Not regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not regulated	NDA	NDA	NDA

14.6 Special precautions for user • No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • No data available

Section 15 - Regulatory Information

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

SARA Hazard Classifications • None

State Right To Know				
Component	CAS	MA	NJ	PA
1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	No	No	No
ETFE	25038-71-5	No	No	No
Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	No	No	No
Perylene Derivative	3049-71-6	No	No	No

Inventory				
Component	CAS	EU EINECS	EU ELNICS	TSCA
1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	No	No	Yes
ETFE	25038-71-5	No	Yes	Yes
Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	No	Yes	No
Perylene Derivative	3049-71-6	Yes	No	Yes

Belgium

Labor

Belgium - Substances and Preparations - Carcinogens and Mutagens

- | | | |
|--|------------|------------|
| • Ethylene-Tetrafluoroethylene Copolymer | 94228-79-2 | Not Listed |
| • Perylene Derivative | 3049-71-6 | Not Listed |
| • ETFE | 25038-71-5 | Not Listed |
| • 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene | 68258-85-5 | Not Listed |

Belgium - Substances and Preparations - Suspected Carcinogens and Mutagens

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Denmark**Environment****Denmark - Advisory List for Self-Classification of Dangerous Substances**

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	N R50/53; Repr.Cat.3 R63
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Denmark - List of Undesirable Substances - Product Groups/Function

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Denmark - List of Undesirable Substances - Reason for Selection

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Europe**Other****EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

EU - Hazardous Substances Restricted or Prohibited in Electrical Equipment (2011/65/EU) (RoHS)

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Other Ingredients

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Perfume and Aromatic Materials

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Germany

Labor

Germany - Immission Control - Qualifying Quantities for Major Accident Prevention

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Germany - Immission Control - Qualifying Quantities for Safety Reporting

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Germany - TRGS 505 - Specific Lead Regulations

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Germany - TRGS 511 - Specific Ammonium Nitrate Regulations

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Environment

Germany - TA Luft - Types and Classes

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed

• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Germany - TA Luft - Emission Limits for Carcinogenic Substances

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Germany - TA Luft - Emission Limits for Fibers

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Germany - TA Luft - Emission Limits for Inorganic Dusts

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Germany - TA Luft - Emission Limits for Inorganic Gases

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Germany - TA Luft - Emission Limits for Organic Substances

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Germany - Water Classification (VwVwS) - Annex 1

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Germany - Water Classification (VwVwS) - Annex 3

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Greece**Labor****Greece - Substances Prohibited from Use in the Workplace**

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Hungary

Environment

Hungary - Restriction of Certain Activities Involving Dangerous Substances

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Netherlands

Other

Netherlands - List of Carcinogens

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Netherlands - Major Accidents - Qualifying Quantities for Accident Prevention

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Netherlands - Major Accidents - Qualifying Quantities for Safety Reporting

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Portugal

Other

Portugal - Prohibited Substances

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

United Kingdom

Environment

United Kingdom - List of Chemicals of Concern

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

United Kingdom - Pollution Inventory - Schedule 1 - Thresholds for Releases to Air

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed

• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

United Kingdom - Substances Contained in Dangerous Substances or Preparations

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Other

United Kingdom - Major Accidents - International Toxic Equivalent Factors (ITEF)

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

United Kingdom - Major Accidents - Qualifying Quantities for Accident Prevention

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

United Kingdom - Major Accidents - Qualifying Quantities for Safety Reporting

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

United Kingdom - Workplace Exposure Limits (WELs) - Substances in Review

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

United Kingdom - List of Dangerous Substances in Water

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

U.S. - CWA (Clean Water Act) - Hazardous Substances

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

U.S. - CWA (Clean Water Act) - Priority Pollutants

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

U.S. - CWA (Clean Water Act) - Reportable Quantities of Designated Hazardous Substances

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

U.S. - CWA (Clean Water Act) - Toxic Pollutants

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

United States - Pennsylvania**Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Ethylene-Tetrafluoroethylene Copolymer	94228-79-2	Not Listed
• Perylene Derivative	3049-71-6	Not Listed
• ETFE	25038-71-5	Not Listed
• 1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and tetrafluoroethene	68258-85-5	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Last Revision Date

- 23/May/2014

Preparation Date

- 23/January/2008

Disclaimer/Statement of Liability

- Reasonable care has been taken in the preparation of this information, but the supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Safety Data Sheet before handling product.

Key to abbreviations

NDA = No Data Available