12/A, GIDC Dahej Industrial Estate, Taluka Vagra, Distt. Bharuch-392130, Gujarat, India
Tel: +91-2641-618031 (Admin) / 618041-50 (Purchase) / 618086-87 (Security) | www.gfl.co.in

REGULATORY DATA SHEET

Product Name: INOFLON® PTFE

Reference Grades:
510, 610

GENERAL PROPERTIES

PRODUCT IDENTIFICATION: POLYTETRAFLUORO ETHYLENE POLYMER (CAS 9002-84-0)
Monomer(s):
Tetrafluoroethylene (CAS 116-14-3)

REACH REGULATION STATUS

EU - REACH

REACH requires the registration of substances when they are manufactured or imported into the European Economic Area (EEA) at a volume of one metric ton or more per annum per legal entity.

We hereby confirm that every REACH relevant substance in the composition of the above GFL product(s), made available on the EEA Market by GFL, has been accordingly covered under REACH via own registration for the relevant tonnage band, and is therefore compliant with the REACH regulation (EC) N° 1907/2006 as per the official ECHA list published on the ECHA website: https://echa.europa.eu/information-on-chemicals/registered-substances

Reference product is defined as a polymer & polymers are exempted from REACH registration. Instead, the monomer(s) constitute of the polymer is registered.

For any other formulation components for which GFL is a downstream user, GFL´s supplier(s) have confirmed that these are either exempt from REACH registration or have been registered. We confirm that, mentioned referred grades of reference product comply with REACH EC/1907/2006 requirements.

Substance of Very High Concerns (SVHC) – Candidate List for Authorization

We hereby confirm that the referred grades of reference product do not contain SVHC substances listed on “Candidate list” in accordance with Article 59 (10) of the REACH regulation (EC) 1907/2006 in concentration equal or above 0.1% (w/w).

- European Chemicals Agency (ECHA) has updated “Candidate List” of Substances of Very High Concern (SVHC) on 21st January 2025.
- There are currently 247 entries on the “Candidate List” of Substances of Very High Concern.
- Most update “Candidate list” of SVHC substances can be referred at: https://echa.europa.eu/candidate-list-table

Restriction of Chemicals - Annex XVII

- Annex XVII of the REACH regulation imposes restriction on hazardous substances in mixture or articles that present risks to human health or the environment.
- We hereby confirm that substances listed in Annex XVII are not intentionally added or used in the formulation or processing of referred grades of reference product.
- Most updated restriction list can be viewed at: https://echa.europa.eu/substances-restricted-under-reach

REACH Authorization List - Annex XIV

- According to REACH Regulation Article 56, substances which are listed in the Annex XIV cannot be used or placed on the market after the "sunset date", unless the authorization granted.
- We hereby confirm that substances listed in Annex XIV are not intentionally added or used in the formulation or processing of referred grades of reference product.
- Most updated authorization list ca be viewed at: https://echa.europa.eu/authorisation-list

UK - REACH STATUS

UK REACH is an adaptation of EU Regulation (EC) no 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals (EU REACH) that applies in Great Britain (GB = England, Scotland and Wales) from 1st January 2021, after the UK left the EU.

UK REACH requires the registration of substances when they are manufactured or imported into the GB market at a volume of one metric ton or more per annum per legal entity. We hereby confirm that every REACH relevant substance in the composition of the above GFL product(s), made available on the GB Market by GFL, has been accordingly covered under UK REACH via Downstream User Import Notification(s)(DUINs)for the relevant tonnage band, and is therefore compliant.

Reference product is defined as a polymer & polymers are exempted from UK-REACH registration. Instead, the monomer(s) constitute of the polymer is registered. The substance(s) are also subject to further transitional UK-REACH registration compliance actions by the Only Representative for applicable registration deadline(s).

For any other formulation components for which GFL is a downstream user, GFL´s supplier(s) have confirmed that these are either exempt from REACH registration or have been registered. We confirm that referred grades of reference product comply with UK-REACH requirements.

UK - Substance of Very High Concerns (SVHC) - Candidate List

- The UK-REACH Candidate List is a list of Substances of Very High Concern (SVHCs) that may be recommended for inclusion on the Authorization List (Annex 14) of UK REACH.

- UK-Candidate List is published in accordance with Article 59(10) of UK REACH.

- Referred grades of reference product do not contain SVHC substances listed on "Candidate list" in accordance with Article 59 (10) of the UK-REACH at a concertation equal or above 0.1%(w/w).

- Most updated UK-SVHCs are identified on the UK-HSE website and can be viewed at: https://www.hse.gov.uk/reach/candidate-list.htm

TURKEY (KKDIK) - REACH REGULATION STATUS

We hereby confirm that referred grades of reference product are in compliance with the Regulation No. 30105 on Registration, Evaluation, Authorization and Restriction of Chemicals of June 23rd, 2017 (hereinafter "KKDIK REACH Regulation" or "KKDIK").

KKDIK requires the companies to pre-register & register substances when they are manufactured or imported into the Turkey market at a volume of one metric ton or more per annum per legal entity. We hereby confirm that every REACH relevant substance in the composition of the above GFL product(s), made available on the Turkey Market by GFL, has been accordingly covered via pre-registration for the relevant tonnage band, and is therefore compliant.

Reference product is defined as a polymer & polymers are exempted from KKDIK-REACH registration. Instead, the monomer(s) constitute of the polymer is registered.

The substance(s) are also subject to further transitional KKDIK-REACH registration compliance actions by the Only Representative for applicable registration deadline(s).

For any other formulation components for which GFL is a downstream user, GFL´s supplier(s) have confirmed that these are either exempt from REACH registration or have been registered. We confirm that, referred grades of reference product comply with KKDIK-REACH requirements.

KOREA (K-REACH) - REACH STATUS

We hereby confirm that referred grades of reference product are in compliance with the Act on Registration and Evaluation, etc. of Chemical Substances(K-REACH) implemented by the Ministry of Environment in South Korea. This legislation, which came into force on January 1, 2015.

K- REACH requires the registration of substances when they are manufactured or imported into the Korean market at a volume of one metric ton or more per annum per legal entity. The Korean REACH Authorities have granted an exemption from registration requirements for the reference product, citing adherence to the low-concern criteria for polymer exemption.

For any other formulation components for which GFL is a downstream user, GFL´s supplier(s) have confirmed that these are either exempt from REACH registration or have been registered. We confirm that, all the grades of reference product comply with K-Reach requirements.

FOOD CONTACT MATERIAL REGULATIONS

EUROPEAN FOOD CONTACT STATUS

Referred grades of reference product comply with the relevant food contact material as outlined in following regulations:

Regulation (EC) No 1935/2004

- Referred grades of reference product are in compliance with Regulation (EC) No. 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food with respect to article 3, 11(5), 15 and 17.

Commission Regulation (EC) No 2023/2006 - (GMP)

- Our manufacturing processes uphold EU Commission Regulation (EC) No. 2023/2006 of 22 December 2006 on good manufacturing practices for materials and articles intended to come in contact with food. Our manufacturing site maintains certifications for ISO 9001, ISO 14001 & ISO 45001.

Regulation (EU) No 10/2011

- All grades of reference product are in compliance with Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food and its amendments up to 2024/3190.

- Monomer(s) used in the manufacture of referred grades of reference product is listed as permitted monomers in Annex-1 of Commission regulation (EU) no. 10/2011 and complies to the below mentioned SML limits:

CAS no.	Substance	SML (mg/kg food)
116-14-3	Tetrafluoroethylene	0.05 mg/kg

DUAL-USE ADDITIVES

- Additives categorized as food additives and flavorings in Regulations (EC) No 1333/2008 and (EC) No 1334/2008 and listed in the Union list under Regulation (EU) No 10/2011, are dual-use additives.

- Dual use additives are not used during polymerization or in any step of production of reference product.

RESOLUTION AP (89) 1

- The production of reference products does not intentionally involve the use of colorants as recommended by the Council of Europe resolution AP (89) 1.

German Food Contact Status - BfR (Bundesinstitut für Risikobewertung)

- Reference product comply with German food articles of daily use and feed code of September 1, 2005 (LFGB), Section 30, BFR recommendations - overall migration and hence article 3 of Regulation EC 1935/2004 on materials and articles intended for contact with food.

SWITZERLAND - SR 817.022.31

- We adhere to the relevant requirements of Swiss Ordinance 817.023.21 of 16 December 2016 and updated by RO 2019 3371 on Dec. 1st 2019 as amended, regarding materials and articles intended for contact with food.

Ref. No	Chemical Name	CAS No.	EU Ref. No	Specific Migration Limit
621	Tetrafluoroethylene	116-14-3	25120	SML = 0.05 mg/kg

United States of America Food Contact

We confirm that reference product grades comply with the provisions outlined in the US FDA regulations concerning plastic materials and articles intended for contact with foodstuffs.

US FDA 21 CFR 177.1550

According to US FDA 21 CFR 177.1550, when our products undergo correct processing, specifically sintering at high temperatures as commonly practiced by industries, they are in compliance with Title 21, Code of Federal Regulations, Chapter 1, part 177.1550 (Perfluorocarbon Resins).

China Food Contact Status

We certify that the reference product grades we offer comply with the relevant standards outlined in the Chinese Food Contact Regulations for materials used in articles intended to come into contact with food. This regulation include:

- GB 4806.1-2016 - Standard for general safety requirements for food contact materials and articles.
- GB 4806.6-2016 - Standard for plastic resin intended to come into contact with food.
- GB 4806.7-2016 - Standard for plastic materials and articles intended to come into contact with food.
- GB 9685-2016 - Standard for uses of additives in food contact materials and their Products.
- GB 4806.7-2023 - Standard for food contact plastic materials & products.

The referred grades meet the Specific Migration Limit (SML) requirements as follows:

English name	CAS no.	SML/ QM (mg/kg)
Poly(tetrafluoroethylene)	9002-84-0	0.05(Tetrafluoroethylene: SML)

However, it is the responsibility of the end user to determine whether its final article complies with applicable laws and regulations and is suitable for its intended applications.

JAPAN FOOD CONTACT STATUS

The referred grades of reference product comply with the revised Japanese version of FCM Positive List (Containing 840 entries) published on 27th September 2024. The English publication of the list is structured into three parts for reference:

- Table 1: Polymers - Categorizes polymers into five categories
- Table 2: Additives – Contains a comprehensive list of 827 additives.
- Essential Monomers - A detailed list comprising 21 Annexes.

Above referred product falls under the "Polymer Type: Polymers containing fluorine-substituted ethylene as the main monomer". The relevant monomer (Tetrafluoroethylene) is present on the Essential monomer list.

Latin America Food Contact Status

MERCOSUR

Our reference product grade complies with the technical regulations outlined in Mercosur GMC resolutions concerning articles intended for contact with foodstuffs. Specifically, our products are designed for use at levels of up to 0.2% by weight of fluoropolymer in the finished products, as permitted.

- GMC Res. No. 03/92: General Criteria for Food Contact Packages and Articles
- GMC Resolution No. 02/12 including Amendment Mercosur/GMC/Res. No. 19/21

The monomers used in the manufacture of the main ingredient of our referred grades of reference product is listed in Mercosur GMC resolution no. 02/12 and adhere to below applicable specific migration limits.

Reference no.	CAS no.	Substance Name	Restrictions and/or specifications
25120	116-14-3	Tetrafluoroethylene	SML = 0.05 mg/kg

In alignment with similar requirements of EU 10/2011, our reference products comply with the aforementioned SML requirements.

ANVISA

Referred grades of reference product meet relevant requirements outlined in ANVISA RDC Resolution No. 326/2019 and 56/2012. Monomer(s) used in the manufacture of referred grades of reference product is listed in ANVISA RDC resolution no. 56/2012.

Monomer(s) are subject to specific migration limit listed below:

EU Ref. no.	CAS no.	Substance	Restrictions and/or specifications
25120	116-14-3	Tetrafluoroethylene	SML = 0.05 mg/kg

Similarly, in line with EU 10/2011, products meet the aforementioned SML requirements.

The information provided regarding food contact material regulations to ensure adherence to extraction limits according to applicable regulations represents Gujarat Fluorochemicals Limited (GFL) compliance. However, it is the end-user's responsibility to test the finished article to ensure compliance with the extraction limits according to the applicable regulations.

Furthermore, Gujarat Fluorochemicals Limited (GFL) makes no recommendation about the suitability of the product in the user's intended application. It is the user's responsibility to determine whether its use of GFL products in a particular application is suitable and will comply with applicable laws and regulations.

GENERAL/GLOBAL REGULATIONS

EU-RoHS

We affirm that referred grades of reference product are in compliance with the restriction of the use of certain hazardous substances in electrical and electronic equipment listed in RoHS directive 2011/65/EU and its amendment in Annexure 2 as per commission delegated directive (EU) 2015/863 (ROHS – 3).

- Cadmium (0.01%)
- Mercury (0.1 %)
- Lead (0.1 %)
- Hexavalent chromium (0.1 %)
- Polybrominated biphenyls (PBB) (0.1 %)
- Polybrominated diphenyl ethers (PBDE) (0.1 %)
- Bis(2-ethylhexyl) phthalate (DEHP) (0.1 %)
- Butyl benzyl phthalate (BBP) (0.1 %)
- Dibutyl phthalate (DBP) (0.1 %)
- Di-isobutyl phthalate (DIBP) (0.1 %)

CHINA RoHS

We confirm that referred grades of reference product adhere to requirements set forth in Order No. 32 of Chinese Ministry of Industry and Information Technology (MIIT) on restriction of the use of hazardous substances in Electrical & Electronic products.

- Cadmium (Cd) and its compounds (0.01%)
- Mercury and its compounds (0.1%)
- Lead (Pb) and its compounds (0.1%)
- Hexavalent chromium (Cr6+) and its compounds (0.1%)
- Polybrominated biphenyls (PBB) (0.1%)
- Polybrominated diphenyl ethers (PBDE) (0.1%)

12/A, GIDC Dahej Industrial Estate, Taluka Vagra, Distt. Bharuch-392130, Gujarat, India
Tel: +91-2641-618031 (Admin) / 618041-50 (Purchase) / 618086-87 (Security) | www.gfl.co.in

Conflict Minerals

This certification confirms that conflict minerals are not intentionally utilized during polymerization or at any stage of production for the specified grades of our referenced product.

• Mining of metallic and other raw materials is an intensive process involving potential social and environmental risks that, if not properly managed, can cause lasting negative impacts. Reports on human rights violations in the Democratic Republic Congo (DRC) and environmental issues resulting from the mining of minerals, including tantalum (Ta), tungsten (W), tin (Sn), gold (Au) and cobalt (Co) has caused wide public concerns.

• In July 2010, the United States Congress signed into law the Dodd-Frank Wall Street Regulation and Consumer Protection Act containing a section that regulates conflict minerals. The legislation requires companies listed on the U.S stock exchange to disclose annually to the Securities and Exchange Commission (SEC) whether products were produced with conflict minerals sourced from the Democratic Republic of the Congo (DRC) or adjoining countries.

• In July 2017, directive (EU) 2017/821 became effective in the EU, with a transition period until January 2021. The directive regulates within the European Union mining, processing, trade and use of conflict minerals sourced in conflict and high-risk regions. In principle, the directive follows the requirements of the U.S. regulation.

Referred grades of reference product do not contain conflict minerals listed in US section 1502 Dodd-frank act & Regulation (EU) 2017/821.

Extended Mineral Statement (Cobalt, Mica)

Cobalt or Mica are not used intentionally during polymerization or in any step of the production for reference product.

Heavy Metal Compliance

Coalition of Northeastern Governors (CONEG)

We hereby certify that the referred grades of our reference product are compliant with CONEG model legislation.

To the best of our knowledge, the following heavy metals are not intentionally used during the polymerization process or at any stage of production for the referred grades of our reference product:

Heavy Metals	Allowable Limit
Cadmium	< 100 ppm (0.01 weight%)
Mercury	
Hexavalent Chromium	
Lead	

Packaging and packaging waste - European Parliament and Council Directive 94/62/EC (of 20 December 1994) and its amendments 2005/20/EC and 2013/2/EU

ELV Restricted Substance	Allowable Limit
Cadmium	< 100 ppm (0.01 weight%)
Mercury	
Hexavalent	
Lead	

Reference product grades do not include substances, preparations, or components as outlined in Annex VII of Directive 2012/19/EU of the European Parliament and of the Council regarding waste electrical and electronic equipment (WEEE - RECAST), to the best of our knowledge.

EU Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE)

We certify that the reference product grades do not contains substances, preparations and components as listed in Annex VII of Directive 2012/19/EU of the European Parliament and of the Council on waste el ectrical and electronic equipment (WEEE - RECAST).

End-of Life Vehicles Directive 2000/53/EC

To the best of our knowledge, in referred product grades below listed heavy metal substances mentione d in Annexure II of EU-Directive 2000/53/EC are not intentionally added used during polymerization process or at any stage of production of reference product.

ELV Restricted Substance	Allowable Limit
Cadmium and its compounds	100 ppm (0.01 weight%)
Mercury and its compounds	1000 ppm (0.1 weight%)
Hexavalent and its compounds	1000 ppm (0.1 weight%)
Lead and its compounds	1000 ppm (0.1 weight%)

Dietary Law

Halal

We affirm that the referred grades of our reference product are not manufactured using raw materials or auxiliary agents derived from animal or fermentation products. Furthermore, ethanol or drugs are not intentionally used in the manufacturing process, and therefore, they are not expected to be present at levels that could cause intoxication. However, we have not conducted analyses of these substances to determine if any impurities exist.

Kosher

The raw materials utilized in the production of this product originate from non-animal sources. Our product does not contain animal fat, animal-derived materials, grain-derived ingredients, or fermentation products.

It's important to note that while our product is not certified as kosher, it meets the aforementioned criteria.

BSE/TSE FREE:

According to Note for Guidance on Minimizing the Risk of Transmitting Animal Spongiform Encephalopathy Agent via Medicinal Products Veterinary Medicinal products (EMEA/410/01 Rev. 03-July 2011)

- ### Animal Derived Components (BSE/TSE)

  To the best of our knowledge, the referred grades of our reference product are not manufactured or formulated with ingredients of animal origin.

- ### Tallow and its derivates (BSE/TSE)

  Concerns regarding BSE/TSE in the context of plastics materials used in contact with food are linked to the use of additives of animal origin, such as tallow derivatives. Tallow derivatives are not utilized in the production of the referred grades of our reference product.

Genetically Modified Organisms (GMO)

We affirm that no raw materials, including additives, have been derived from genetically modified organisms (GMO).

Animal-Plant Origin

The referred grades of our reference product contain ingredients prepared solely from synthetic sources. They do not include any materials of animal and/or plant origin.

Plant Free

We certify that the raw materials derived from plants/vegetables are not used during polymerization or in any step of production.

Allergen Statement according to Regulation (EU) No 1169/2011

The food ingredients listed in Annex II of Regulation (EU) No 1169/2011 are not utilized in the manufacture or formulation of this product:

Food Allergens:

1. Cereals containing gluten, namely: wheat, rye, barley, oats, spelt, kamut or their hybridised strains, and products thereof;
2. Crustaceans and products thereof;
3. Eggs and products thereof;
4. Fish and products thereof;
5. Peanuts and products thereof;
6. Soybeans and products thereof;
7. Milk and products thereof (including lactose);
8. Nuts, namely: almonds (Amygdalus communis L.), hazelnuts (Corylus avellana), walnuts (Juglans

regia), cashews (Anacardium occidentale), pecan nuts (Carya illinoinensis (Wangenh.) K. Koch), Brazil nuts (Bertholletia excelsa), pistachio nuts (Pistacia vera), macadamia or Queensland nuts (Macadamia ternifolia), and products thereof; for nuts used for making alcoholic distillates including ethyl alcohol of agricultural origin;Celery and celery products
9. Celery and products thereof;
10. Mustard and products thereof;
11. Sesame seeds and products thereof;
12. Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre in terms of the total SO2 which are to be calculated for products as proposed ready for consumption or as reconstituted according to the instructions of the manufacturers;
13. Lupin and products thereof;
14. Molluscs and products thereof;

ADDITIONAL COMPLIANCE

Regulation (EC) No 1895/2005 (of 18 November 2005) on the restriction of use of certain epoxy derivatives in materials and articles intended to come into contact with food

- 2,2-bis(4-hydroxyphenyl) propane bis(2,3-epoxypropyl) ether, referred to as 'BADGE' [CAS No 001675-54-3]
- bis(hydroxyphenyl)methane bis(2,3-epoxypropyl) ethers, referred to as 'BFDGE' [CAS No 039817-09-9]
- other novolac glycidyl ethers, referred to as 'NOGE'

The above-mentioned epoxy derivatives are not utilized in the production of the reference product.

MOH, MOSH, MOAH, POH, POSH, POAH statement according to Commission Recommendation (EU) No 2017/84 (of 16 January 2017) on the monitoring of mineral oil hydrocarbons in food and in materials and articles intended to come into contact with food

Mineral oil hydrocarbons (MOH), Mineral oil saturated hydrocarbons (MOSH), mineral oil aromatic hydrocarbons (MOAH), polyolefin oligomeric saturated hydrocarbons (POSH), and polyolefin oligomeric aromatic hydrocarbons (POAH) are not directly added as additives. However, polyolefin oligomeric hydrocarbons (POH) are naturally present in the polymer and constitute the low molecular weight fraction.

Regulation (EC) No 1272/2008 (of 16 December 2008) on classification, labelling and packaging of substances and mixtures (CLP)

We affirm that the referred product is not classified as hazardous substance according to the Regulation 1272/2008/EC.

CMR substances are substances that are carcinogenic, mutagenic or toxic to reproduction (CMR). They are of specific concern due to the long term and serious effects that they may exert on human health.

Under Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances (CLP), CMR substances can be classified into 3 categories depending on the severity of hazards.

- Category 1A: Known human carcinogen (H340), mutagen (H350) or reproductive toxicant (H360) based on human evidence;
- Category 1B: Presumed human carcinogen (H340), mutagen (H350) or reproductive toxicant (H360) based on animal studies;
- Category 2: Suspected carcinogen (H341), mutagen (H351) or reproductive toxicant (H361) based on limited evidence from animal studies or/and human.

Our reference product grades do not contain any of the substances meeting Carcinogenic, Mutagenic & Reproductive toxicity hazard criteria defined in CLP regulation (EC) 1272/2008.

Directive 517/2014 EC (Fluorinated greenhouse gases and repealing Regulation)

We hereby certify that the referred grades of the reference product do not contain fluorinated gases (f-Gases) as listed in the European Regulation - Regulation (EU) No 517/2014 of the European Parliament and of the Council of 16 April 2014 on fluorinated greenhouse gases and repealing Regulation (EC) No 842/2006.

USP CLASS VI

The referred grades of reference product have been tested in accordance with USP Protocol and meet the requirements of USP Class VI (USP <88> Biological test in Vivo) Plastic.

It is the end-user's responsibility to test the finished article to assess the final suitability of the finished article for the intended application & ensure compliance with the applicable regulations.

Ozone Depleting Substances - REGULATION (EC) No 1005/2009

Ozone depleting substances (ODS) listed in Annex I and Annex II of the Regulation (EC) No 1005/2009 are not intentionally used during polymerization process or at any step of production for above referred grades of reference product.

Nanomaterials and Nanotechnology

We affirm that during manufacturing of this product, we do not use Nanotechnology or any Nanomaterials defined in Commission Recommendation 2011/696/EU (of 18 October 2011).

Nanomaterials defined as natural, incidental or manufactured materials containing particles in an unbound state or as an aggregate or as an agglomerate and where for 50% or more of the particles in the number of size distribution, one or more external dimensions is in the size range (1-100) nm are not used in the production or the formulation of this grade. However, this product has not been tested for presence of these chemical substances.

GADSL (Global Automotive Declarable Substance List - Version 2.10)

We hereby confirm that, referred grades of reference product comply with GADSL compliance requirements. Reference products do not contain hazardous substances that are restricted by GADSL. PTFE (CAS: 9002-84-0) is listed on the GADSL list of chemicals that should be declared.

PTFE is listed on GADSL list with below given details:

PRODUCT NAME	CAS NUMBER	Family Classification	REASON CODE	Reporting Threshold	REASON
PTFE	9002-84-0	D	FA	Intentionally added including degradation product	PFAS GROUP OF SUBSTANCE

FA: For Assessment
D: Declarable

Substances listed under Reason Code FA are projected for regulation upon decision by the Global Automotive Supplier Group (GASG) Committee.
Substances listed as Declarable Substance (D) under reason Code FA are not restricted from being used in vehicle part.

Volatile Organic Compound

Volatile Organic Compounds (VOC) rules and regulations vary widely depending on the use of the finished product, and the applicability of VOC regulations depends upon the jurisdiction.
The definition of VOC therefore varies, depending on the relevant Directive. For instance:

a) Paints Directive (Directive 2004/42/EC on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products): 'Volatile organic compound (VOC)' means any organic compound having an initial boiling point less than or equal to 250°C measured at a standard pressure of 101,3 kPa;

b) Industrial Emissions Directive (Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)): 'Volatile organic compound' means any organic compound as well as the fraction of creosote, having at 293,15 K a vapour pressure of 0,01 kPa or more, or having a corresponding volatility under the particular conditions of use;

To determine VOC regulation applicability of vapour pressures and boiling points of the product and/or ingredients are important physical properties. Reference product has low vapour pressure & high temperature resistance (Melting Point - 327 °C), VOC regulation listed above may not be applicable for this product.

Please note that it is the responsibility of the user to determine the appropriate regulatory requirement for their operation and/or final product use.

California Proposition 65

We hereby confirm that referred grades of reference product do not contain chemicals at concentration that would require a California Prop 65 warning label.

• California's Safe Drinking Water and Toxic Enforcement Act of 1986, commonly known as Proposition 65 (Prop65), establishes a list of chemicals which the state of California's assessment process has determined to present a risk of cancer, birth defects or other reproductive harm.

•The most updated (January 3rd, 2025) Proposition 65 chemical list can be found at:
The Proposition 65 List - OEHHA (ca.gov)

TSCA Section 6(h) - Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

We hereby affirm that all the grades of reference product are complying with following TSCA requirements:

- **Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under TSCA Section 6(h)**
  On January 6,2021 EPA released final rules under the Toxic Substances Control Act (TSCA) to reduce exposures to below listed five chemicals that are persistent, bioaccumulative and toxic.

- **Chemicals listed under TSCA Section 6(h)**

Chemical Name	CAS Number
Decabromodiphenyl ether (DecaBDE)	1163-19-5
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7
2,4,6-Tris(tert-butyl) phenol (2,4,6-TTBP)	732-26-3
Hexachlorobutadiene (HCBD)	87-68-3
Pentachlorothiophenol (PCTP)	133-49-3

To the best of our knowledge chemicals listed in above table are not intentionally used during polymerization or in any step-in production of reference product.

TSCA INVENTORY

The Reference product contains substances that are certified to be present on the US Environmental Protection Agency (EPA) Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

TSCAINV_082023							
ID	**RN**	**cas reg no.**	**IN**	**DF**	**FL**	**UV**	**CS**
15877	9002-84-0	9002840	Ethene, 1,1,2,2-tetrafluoro-homopolymer		**XU**		ACTIVE

All components of reference product are present on the TSCA Chemical Substance Inventory Active List.

CS - Active (In US commerce), **FL -** EPA TSCA Regulatory Flag,
XU - Indicates a substance exempt from reporting under Chemical Date Reporting Rule (40 CFR Part 711)

Substances and Compounds

The following substances are not expected to be present in this Product. We may not specifically analyze for the presence of these substances in the Product. Therefore, we cannot guarantee the absence or level of these substances to any specific limit or threshold value:

Alkylphenols and Alkylphenol Ethoxylates
Antimony (Sb)
Aromatic Amines (restricted by Directive 2002/61/EC)
Arsenic (As)
Asbestos
Azo compounds
Azodicarbonamide Benzene
Benzophenones
Biocides
Bisphenol A
Brominated Flame Retardant (HBCDD)
Chlorinated paraffins, short chain chlorinated paraffins (SCCPs)
Chlorofluorocarbons
Cyanuric Acid
Dimethyl Fumarate
Ethanol
Endocrine Disruptors Gold (Au)
Pesticide and Herbicides Insecticides
Melamine
Natural Rubber Latex (NRL)
Nitrosamines
Ozone Depleting Substances
Organo-Tin Compounds
Perchlorates
Phosphorus (P) yellow and red
Palm Oil and its derivatives
Parabens
Phthalates Plasticizers
Polybrominated Biphenyls (PBBs)
Polybrominated Diphenyl Ethers (PBDEs)
Polybrominated Terphenyls (PBTs)
Polychlorinated Biphenyls (PCBs)
Polychloronaphthalenes (Cl >= 3)
Polycyclic Aromatic Hydrocarbons (PAHs)
Polyvinyl chloride (PVC)
Polyvinylidene chloride (PVDC)
Preservatives
Plastic Recycled Materials (Reg. EC 282/2008)
Radioactive Substances
Siloxanes
Silicone
Selenium (Se)
Sulphur (S)
Tantalum (Ta)

Titanium dioxide
Tin (Sn)
Tungsten (W)
Uranium (U)
Vinyl Chloride
Xylene

Global Chemical Inventory Compliance

Country	Inventory	Status
Australia	AICS	Y
Canada	DSL/NDSL	Y
CHINA	IECSC	Y
Japan	ENCS	Y
Europe	EINECS/ELINCS/NLP	Y
JAPAN	ENCS	Y
KOREA	KECI	Y
NEW ZEALAND	NZIoC	Y
PHILLIPINES	PICCS	Y
USA	TSCA	Y

Legend:
Y = All ingredients are on the inventory
N = Not determined or one or more ingredients are on the inventory and are not exempt from listing (see specific ingredients in bracket)

DISCLAIMER

Since use conditions and applicable laws may differ from one location to another and may change with time, the Customer is responsible for determining whether products and the information in this document are appropriate for the Customer's use and for ensuring that the Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Gujarat Fluorochemical Limited assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.