

Product Regulatory Compliance Statement

Titanlene LDF260GG Low Density Polyethylene

Issuance Date: 1 July 2015

Product Manufacturer

This product is manufactured by Lotte Chemical Titan (M) Sdn Bhd.

REACH (Regulation (EC) No. 1907/2006) and amendments (March 2015)

Substances of Very High Concern (SVHC)

This product does not contain any of the Annex XIV candidate chemicals proposed to be Substances of Very High Concern (15 Jun 2015) above the 0.1% threshold as stated in REACH (Article 57, Regulation (EC) No. 1907/2006).

REACH registration status

Polymers are generally exempted from the provisions on registration of Title II of REACH (Article 2(9)). However the ethylene and propylene monomers have to be registered and hence we have completed the required registration with ECHA (European Chemicals Agency) through our appointed Only Representative (OR).

Food Contact

US Food and Drug Administration (FDA)

This product, as manufactured, is in compliance with Title 21 (Edition 2014), Code of Federal Regulations (CFR) Parts 177.1520 (c) 2.1 & (c) 2.2 as promulgated by the US Food and Drug Administration (FDA) for food contact application under conditions of use A through H as described in table 2 of CFR 21 176.170 (C).

European Union (EU) Food Contact – Regulation 1935/2004/EC and (EU) No. 10/2011 and amendments (May 2015)

This product complies with the relevant requirements of Regulation 1935/2004/EC (Framework Regulation), applicable to plastic raw material.

This product complies with the relevant requirements of Regulation 2023/2006/EC (Good Manufacturing Practice), applicable to plastic raw material. Lotte Chemical Titan maintains an ISO 9001 system that corresponds to the requirements of EC No 2023/2006 and adopts good manufacturing practice.

The monomers and additives used to produce this product are listed in the Union List of Authorized Substances of Regulation 10/2011/EC.

Some of the monomers and additives used in the manufacture of this product are subjected to restrictions and/or specifications of Regulation 10/2011/EC.

Dual use additives subjected to restriction as defined in Regulation 10/2011/EC is absence in this product.

To obtain information on restricted substances identity, please contact our Technical Service Department.

As the fabrication process can affect the migration behaviour, the fabricator of the finished articles is responsible to test and determine the maximum overall migration limit (OML) and specific migration limit (SML) (when applicable) of the finished articles intended to come into contact with foodstuffs.

China Hygienic Standards for Use of Food Additives in Food Containers and Packaging Materials– GB9685-2015 (January 2015)

None of the additives are subjected to restrictions and/or specifications. As the fabrication process can affect its migration behavior, the fabricator of the articles is responsible to test and determine the migration limit of the substances of the final articles intended to come into contact with foodstuffs.

Restriction of Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) – EU Directive 2011/65/EC and amendments (March 2015)

The manufacture of this product does not involve addition of Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent chromium (Cr⁶⁺), Polybrominated biphenyls (PBB), Polybrominated diphenyl ether (PBDE), Hexabromocyclododecane and Phthalates.

Regulation (EC) NO.1895/2005

The manufacture of this product does not involve addition of Bisphenol A (BPA), diglycidyl-ether (BADGE), Bisphenol F diglycidyl ether (BFDGE) and Novolac glycidyl ethers (NOGE).

EU Directive 2006/122/EC

The manufacture of this product does not involve addition of perfluorooctanoic acid (PFOA), perfluoro-alkyl sulphonates (PFAS) and perfluorooctane sulfonate (PFOS).

Coalition of Northeastern Governors (CONEG)

The manufacture of this product does not involve addition of cadmium, chromium (VI), lead and mercury.

Packaging and Packaging Waste 94/62/EC

The manufacture of this product does not involve addition of cadmium, chromium (VI), lead and mercury.

California Proposition 65 (1986)

The manufacture of this product does not involve addition of any of the substances listed in California's Proposition 65 chemicals listing (19 Jun 2015).

Halogenated Flame Retardants

This product is not intentionally manufactured with halogenated or phosphorous based flame retardants.

Ozone Depleting Chemicals (ODCs)

This product is not intentionally manufactured with Class I and Class II ODCs listed in the US Clean Air Act Amendments of 1990.

Animal Derived Material/BSE/TSE

This product is not intentionally manufactured with animal fats, oils, milk products or other animal- or tallow-derived products.

Global Automotive Declaration Substance List (May 2015)

The manufacture of this product does not involve addition of any of the substances listed in Global Automotive Declaration Substance listing.

Food Allergens

The following list of allergens are not used in the manufacture of this product:

- Peanuts, peanut oil, any peanut products;
- tree nuts (almonds, Brazil nuts, chestnuts, filberts, hazelnuts, hickory nuts, macadamia nuts, pecans, pine nuts, pistachios, and walnuts);
- Milk (casein) or milk products, dairy products, dairy derivatives, lactose with protein;
- Eggs or egg products;
- Soybeans, soy flour, any soy products;
- Fish (e.g. cod, salmon) or fish products;
- Shellfish, crustaceans (e.g. shrimp, crabs, lobsters, oysters, clams, scallops, crayfish);
- Molluscs (e.g. snails, clams, squid, octopi) or mollusc products;
- Sulfites;
- Food colors;
- Celery or celery products;
- wheat (gluten) or wheat products;
- Seeds (e.g. cotton, poppy, sesame, sunflower, mustard) or seed products;
- Aspartame;
- Monosodium glutamate (MSG);
- Caffeine;
- Hydrogenated vegetable protein (HVP);
- Grains (e.g. rye, barley, oats);
- Lupine or lupine products.

Global Chemical Inventory Compliance

All ingredients of this product are listed in the following chemical inventory lists or exempt:

Country	Inventory	Y/N	Country	Inventory	Y/N
United States	TSCA	Yes	Japan	ENCS	Yes
Euro	EINECS	Yes	Korea	KECI	Yes
Canada	DSL	Yes	New Zealand	NZIoC	Yes
Australia	AICS	Yes	Philippines	PICCS	Yes
China	IECSC	Yes	Taiwan	ECS	Yes

Other Chemical Substances

The following chemical substances are not intentionally added in the manufacture of or formulation of this product.

No.	Substance name	No.	Substance name
1.	Adipates	27.	Nitrosatable Substance
2.	Amines and Aromatic Amines	28.	N-Ethy-toluenesulfonamide (ortho/para)
3.	Azo compounds	29.	Nonylphenol
4.	Biocide/Pesticide	30.	Octyl- or Nonylphenols or -phenoethoxylates;
5.	Blowing agent	31.	Organic tin compounds/Alkyltin compounds
6.	Brominated & Chlorinated substances	32.	O-alkyl (C<=10,Incl. Cycloalkyl) (Me,Et,n-Pr or I-Pr)-phosphonofluoridates
7.	Chlorophenols	33.	O-alkyl (C<=10,incl. Cycloalkyl)N,N-dialkyl (Me,Et,n-Pr or I-Pr) phosphoramidocyanidates
8.	Chlorinated aromatic hydrocarbons	34.	O-alkyl (C<=10,incl. Cycloalkyl) S-2-dialkyl (Me,Et,n-Pr or I-Pr) -aminoethyl alkyl (Me,Et,n-Pr,I-Pr) phosphonothiolate and its alkylated or protonated salts
9.	Chlorinated plastic, Polyvinyl chloride (PVC) & its blends, Polyvinylidene chloride & its blends	35.	S-2-dialkyl (Me,Et, n-Pr or I-Pr)-aminoethyl= hydrogen= alkyl(Me,Et,n-Pr,I-Pr) phosphonothiolate and its alkylated or protonated salts
10.	Dioxins	36.	O-alkyl (C<=10 ,incl. cycloalkyl) O-2-dialkyl (Me, Et, n-Pr or i-Pr) -aminoethyl alkyl (Me, Et, n-Pr or I-Pr) phosphonites and its alkylated or protonated salts
11.	Enamel	37.	O-2-dialkylethyl (Me, Et, n-Pr or i-Pr) = hydrogen = alkyl (Me, Et, n- Pr or i-Pr) phosphonites and its alkylated or protonated salts
12.	Epoxy derivatives	38.	Phenols
13.	Ethylene Glycol Ethers	39.	Phthalates
14.	Flame retardant	40.	Polybrominated Biphenyls
15.	Fragrances	41.	Polybrominated Diphenyl Ethers
16.	Genetic Modified Organism	42.	Polychlorinated Naphthalenes
17.	Halogen (Cl, Br, F)	43.	Polychlorinated and polybrominated Biphenyls
18.	Halogenated Phenols	44.	Polychlorinated and polybrominated Terphenyls
19.	Hydrofluorocarbon, Perfluorocarbon	45.	Polycyclic aromatic hydrocarbons
20.	Long-chained chlorinated paraffins	46.	Quartz
21.	Medium-chained chlorinated paraffins	47.	Radioactive substances
22.	Melamine and derivatives	48.	Recycled materials
23.	Microbial	49.	Silicone / Siloxane
24.	Natural rubber or latex	50.	Shortchain Chlorinated Paraffins
25.	Nano Materials	51.	Softeners
26.	Nitrosamines		

Additional information on the health and safety aspects of our product is listed in the MSDS of the product. Please contact our Technical Service Department for any other technical enquiry and clarification.

The information supplied here is valid for 1 year from the date of issuance or will be updated when appropriate or changes made in any of the regulatory. User is advised to revisit to check for any update.

Disclaimer

The above information supplied is to the best of our knowledge. However, since the actual conditions of use and the specific uses of our products are beyond our control, the user necessarily assumes all risks of their uses. As such, all users must make their own determination that the uses of our products are safe, lawful, and technically suitable in its intended applications. This information in no way modifies amends, enlarges, or creates any specification or warranty. This information sheet is neither a quality assurance certificate nor an approval permit and shall not be used for legal litigation purposes.