

August 21, 2019

minli
hongrunplas
In CHINA Guangdong Province Dongguan City Zhangmutou
town



Hostacom PF062-2 NA NATURAL

A product of Equistar Chemicals, LP

Dear minli:

The following is in response to your request for Product Stewardship Information (PSInfo) for the product listed above. The attached Product Stewardship Bulletin (PSB) details the regulatory status of this product.

LyondellBasell Industries responds to product stewardship requests with a standardized Product Stewardship Bulletin (PSB) which summarizes the global regulatory status of a product. LyondellBasell Industries will not complete customers' forms or questionnaires. Standardized responses provide each customer with consistent information in a timely fashion. Each request is reviewed to ensure our response documents provide relevant information.

Please note that compliance with these regulations should not be interpreted to guarantee that the product, will, in fact, perform in a particular application. Your Technical Service Representative can help you determine that the characteristics of the product are compatible with the desired conditions of use.

Should you have any further questions concerning a LyondellBasell product, or if we can assist in any other way, please do not hesitate to contact us.

Best regards,

A handwritten signature in black ink that reads "Stacie A. Eakin". The signature is fluid and cursive, with the first name being the most prominent.

Stacie Eakin
Sr. Product Steward
713-309-7905
stacie.eakin@lyondellbasell.com

Product Stewardship Bulletin



***Hostacom* PF062-2 NA NATURAL**

A product of Equistar Chemicals, LP

United States

This resin does not comply with FDA requirements for articles that may be used in food packaging applications.

IMDS Information

The companies of LyondellBasell enter data into IMDS directly to assist automobile companies in the recycling effort, to confirm the compliance of products manufactured by LyondellBasell companies with the heavy metals article of the EU End of Life Vehicle (ELV) Directive, and to declare the presence of substances listed in the Global Automotive Declarable Substances List (GADSL) if required.

Note: LyondellBasell does not send MDS reports to customer recipient ID numbers. Our product MDSs are in a "Published" state accessible to every IMDS user through the IMDS website.

Please use the following IMDS ID-No. for your reference:

IMDS# 25037359

Biomedical Policy

This product(s) may not be used in:

(i) any U.S. FDA Class I, Health Canada Class I, and/or European Union Class I Medical Devices, without prior notification to Seller for each specific product and application; or (ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: (1) U.S. FDA Class II, Health Canada Class II or Class III, and/or European Union Class II Medical Devices; (2) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned Medical Devices; (3) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration; (4) tobacco related products and applications; (5) electronic cigarettes and similar devices.

(iii) Additionally, the product(s) may not be used in: (1) U.S. FDA Class III, Health Canada Class IV, and/or European Class III Medical Devices; (2) applications involving permanent implantation into the body; (3) life-sustaining medical applications.

All references to U.S. FDA, Health Canada, and European Union regulations include other country's equivalent regulatory classifications.

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

CLP Regulation (for "Classification, Labeling and Packaging") Regulation (EC) No 1272/2008, aligns the European Union system of classification, labeling and packaging of chemical substances and mixtures to the Globally Harmonized System (GHS).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC (for dangerous substances) and 1999/45/EC (for dangerous preparations), and amending Regulation (EC) No 1907/2006.

See Product's European SDS at <http://www.lyondellbasell.com> for classification and labeling of chemicals which are legally binding within the EU.

Conflict Minerals (Dodd-Frank Wall Street Reform and Consumer Protection Act - September, 2010)

Please see link below for the position of LyondellBasell concerning this Act:

<https://www.lyondellbasell.com/en/investors/corporate-governance/?id=52>

The link to this document is located in the right margin under the heading "Corporate Governance Documents" titled "Conflict Minerals Policy".

Metals Content

US CONEG

Based on the available documentation provided by our raw material suppliers, this product complies with the CONEG Model Legislation for requirements regarding the defined limit for the sum of heavy metals (lead, mercury, cadmium and hexavalent chromium).

EU Packaging and Packaging Waste

Based on the available documentation from raw materials suppliers, this product complies with the directive 94/62/EC and as amended concerning the defined limit(s) of heavy metals.

End of Life Vehicle

To the best of our knowledge, based on the available documentation from raw materials suppliers, we deem that this product complies with the directive 2000/53/EC and its following amendments as concerns the defined limit(s) of heavy metals.

Restriction of Hazardous Substances in Electric and Electronic Equipment (RoHS)

RoHS Regulation refers to electrical and electronic equipment and not specifically to plastic raw materials. However, based on the available documentation from raw materials suppliers, this product complies with the requirements of the Directives 2002/95/EC and 2011/65/EU, as amended, concerning the limits of cadmium, lead, mercury, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), bis(2-ethylhexyl)phthalate (DEHP), butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and diisobutyl phthalate (DIBP).

GB/T 26572-2011 "Restricted Substances in Electronic and Electrical Products" - China RoHS

The RoHS Regulation refers to electronic and electrical equipment and not specifically to plastic raw materials. However, based on the available documentation from raw materials suppliers, this product complies with the requirements of the GB/T 26572-2011 "Restricted Substances in Electronic and Electrical Products" concerning the limits of cadmium, lead, mercury, hexavalent chromium, polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE).

Other Chemicals

The chemical materials listed below are not intentionally used in the manufacture or the formulation of this product. However, this product has not been tested for these chemical materials.

- ▶ 2-(2H-1, 2, 3-Benzotriazol-2-yl)-4,6-di-tert-butylphenol; (Benzotriazole); CAS# 3846-71-7;
- ▶ 2,4,4'-trichloro-2'-hydroxydiphenyl ether; (Triclosan); CAS# 3380-34-5;
- ▶ 2-mercaptobenzothiazole; MBT; CAS# 149-30-4;
- ▶ Acrolein; (propenal); (CAS# 107-02-8);
- ▶ Acrylamide; CAS# 79-06-1;
- ▶ Alkylphenols
- ▶ Aromatic amines;
- ▶ Asbestos;
- ▶ Azo Dyes and Pigments;
- ▶ Polycyclic aromatic hydrocarbons;

- ▶ Polyaromatic Hydrocarbons - PAHs:
 - 1,2-dihydro-acenaphthene; (CAS# 83-32-9);
 - 9H-Fluorene; (CAS# 86-73-7);
 - Acenaphthylene; (CAS# 208-96-8);
 - Anthracene; (CAS# 120-12-7);
 - Benz(a)anthracene; (CAS# 56-55-3);
 - Benzo(a)pyrene; (CAS# 50-32-8);
 - Benzo(b)fluoranthene; (CAS# 205-99-2);
 - Benzo(e)pyrene; (CAS# 192-97-2);
 - Benzo(ghi)perylene; (CAS# 191-24-2);
 - Benzo(j)fluoranthene; (CAS# 205-82-3);
 - Benzo(k)fluoranthene; (CAS# 207-08-9);
 - Chrysene; (CAS# 218-01-9);
 - Dibenz(a,h)anthracene; (CAS# 53-70-3);
 - Fluoranthene; (CAS# 206-44-0);
 - Indeno(1,2,3-cd)pyrene; (CAS# 193-39-5);
 - Naphthalene; (CAS# 91-20-3);
 - Phenanthrene; (CAS# 85-01-8);
 - Pyrene; (CAS# 129-00-0);
- ▶ Benzophenone; CAS RN 119-61-9;
- ▶ Bisphenol A; (BPA); CAS# 80-05-7;
- ▶ Bisphenol A diglycidyl ether; (BADGE); CAS# 1675-54-3;
- ▶ Bisphenol F diglycidyl ether; BFDGE; CAS# 2095-03-6;
- ▶ Butylated hydroxyanisole; (BHA); CAS# 121-00-6 & 25013-16-5;
- ▶ Butylated hydroxytoluene; (BHT); CAS# 128-37-0
- ▶ Chlorinated flame retardants;
- ▶ Chlorinated paraffins;
- ▶ Chlorinated Polyethylene
- ▶ Chlorofluorocarbons (CFCs)
- ▶ Chloroprene (Neoprene)
- ▶ Chlorosulfonated Polyethylene
- ▶ Cyanuric acid; (Isocyanuric Acid or CYA); CAS# 108-80-5;
- ▶ Dimethyl fumarate; (DMF); CAS# 624-49-7;
- ▶ Dioxins;
- ▶ Epichlorohydrin; (ECH); CAS# 106-89-8;
- ▶ Fluorocarbons;
- ▶ Fluorotelomers
- ▶ Formaldehyde; CAS# 50-00-0;
- ▶ Formaldehyde in specific conditions could be formed during further resin processing (see SDS)

- ▶ Gold(Au); CAS# 7440-57-5;
- ▶ Halogenated Flame Retardants
- ▶ Hydrochlorofluorocarbons (HCFCs)
- ▶ Melamine; (1,3,5-Triazine-2,4,6-triamine); CAS# 108-78-1;
- ▶ Nickel; CAS# 7440-02-0;
- ▶ Nonylphenol; CAS# 25154-52-3;
- ▶ Nonylphenol ethoxylates;
- ▶ Novolac glycidyl ether;
- ▶ Organotin compounds;
- ▶ Perfluorochemicals; (PFCs);
- ▶ Perfluorooctane sulfonate; (PFOS); CAS# 1763-23-1;
- ▶ Perfluorooctanoic acid; (PFOA); CAS# 335-67-1;
- ▶ Petrochemical Fertilizers and Pesticides
- ▶ Plasticizers:
 - DINCH; 1,2-Cyclohexanedicarboxylic acid, 1,2-diisononyl ester; CASRN: 166412-78-8;
 - DEHA; Bis(2-ethylhexyl) adipate; CASRN: 103-23-1;
 - BTHC; Butyryl tri-n-hexyl citrate; CASRN: 82469-79-2;
 - TOTM; Tris(2-ethylhexyl)benzene-1,2,4-tricarboxylate; CASRN: 3319-31-1;
 - DINP; Diisononyl Phthalate; CASRN: 28553-12-0;
 - DEHP; di(2-ethylhexyl) phthalate
 - DOP; di-octyl phthalate; CASRN: 117-81-7;
 - DIDP; di-iso-decyl phthalate; CASRN: 26761-40-0;
 - DBP; di-butyl phthalate; or DNBP; di-n-butyl phthalate; CASRN 84-74-2;
 - BBP; butyl benzyl phthalate; CASRN 85-68-7;
 - DNOP; di-n-octyl phthalate; CASRN: 117-84-0;
 - Glycerides, castor-oil mono-, hydrogenated, acetates; CASRN: 736150-63-3;
- ▶ Polybrominated biphenyls; (PBBs);
- ▶ Polybrominated diphenyl ethers; (PDBEs);
- ▶ Polybrominated terphenyls; (PBTs);
- ▶ Polychlorinated biphenyls; (PCBs);
- ▶ Polychlorinated naphthalenes; (PCNs);
- ▶ Polychlorinated terphenyls; (PCTs);
- ▶ Polynaphthalene chloride; CAS# 38289-27-9;
- ▶ Polystyrene;
- ▶ Polyvinyl chloride; (PVC); CAS# 9002-86-2;
- ▶ Radioactive substances;
- ▶ Radon; CAS# 10043-92-2;
- ▶ Styrene monomer; CAS# 100-42-5;

- ▶ Sulphur dioxide; CAS# 7446-09-5;
- ▶ Tantalum (Ta)
- ▶ Tin oxide (SnO₂); (Cassiterite); CAS# 8062-08-6;
- ▶ Tris-nonylphenol phosphite; (TNPP); CAS# 26523-78-4;
- ▶ Vinyl chloride; CAS# 75-01-4;
- ▶ Wolframite; Tungsten (W); CAS# 1332-08-7;
- ▶ Wood treatments containing Creosote, Arsenic or Pentachlorophenol

Phthalates

Polyolefins do not require the use of plasticizers (such as phthalates) to make them soft and flexible. LyondellBasell does not add phthalates to its polyolefin products as plasticizers. However, traces of phthalates in one of the components used to formulate this final product may be present as impurities from the catalytic system. Testing of representative resins using this technical support agent has generally resulted in a residual DIBP content of less than 1 part per million. Note: We do not routinely test our resins for residual phthalate content.

Penta- and Octa- BDE

Please note that as of June 1, 2009 REACH Annex XVII replaces Directive 76/769/EEC – The “Limitation Directive” for Dangerous Substances and Preparations which places restrictions on the marketing and use of certain dangerous substances and preparations namely pentabromodiphenyl ether, and octabromodiphenyl ether.

Neither pentabromodiphenyl ether nor octabromodiphenyl ether are used in the formulation of this product and will not be found in concentrations higher than 0.1 % by mass in this product.

REACH Information

This product is manufactured by affiliates and subsidiaries of the LyondellBasell group of companies around the world.

Under the EC Regulation REACH this product is classified as a preparation. If the product has been purchased from any company of the LyondellBasell group of companies registered in the European Union, we confirm that all substances in this preparation have been registered under REACH, in accordance with the deadlines set forth in REACH (Regulation (EU) No. 1907/2006)

We remind you, if this product is purchased from any supplier, including other companies of the LyondellBasell group, which is not established in the European Union, the importer into the European Economic Area (EEA) is responsible for compliance with the requirements of REACH.

Please contact REACH@LYB.COM if you need to discuss the potential Only Representative functionality before importing this product into the EEA.

REACH Substances of Very High Concern (SVHC)

This product does not contain any of the Annex XIV substances on the Authorisation list or Annex XIV candidate chemicals proposed to be Substances of Very High Concern for Authorisation (List as of July 16, 2019) above the 0.1 % threshold as stated in REACH (Article 57, Regulation No. 1907/2006) determined either through (i) non-use of the substance, (ii) mass balance calculation, or (iii) specific testing. The current list of all SVHCs can be found at ECHA website link listed below:

<https://www.echa.europa.eu/candidate-list-table>

Global Chemical Control Regulations

All ingredients in this product are in compliance with the following chemical inventories:

United States: Toxics Substances Control Act Inventory (TSCA)

Canada: Domestic Substances List (DSL)

Europe: EINECS/ELINCS replaced by REACH

Australia: Australian Inventory of Chemical Substances (AICS)

Korea: Korean Existing Chemicals List (KECL)

Japan: Japanese Inventory of Existing and New Chemical Substances (ENCS)

The Philippines: Philippines Inventory of Chemicals and Chemical Substances (PICCS)

Taiwan: Existing Chemical Substances Inventory (ECS)

China: Inventory of Existing Chemical Substances Manufactured or Imported in China (IECS)

New Zealand: New Zealand Inventory of Chemicals (NZIoC)

This product has no special requirements under US TSCA (e.g. consent orders, test rules, 12(b) requirements, etc.).

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.