Regulatory Data Sheet (RDS)

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Tricolene MDPE

Medium Density Polyethylene

Type	References
Tricolene hexene-MDPE	Tricolene MDF2942

TRICON ENERGY LTD. confirms that prime grades mentioned above comply with the following regulations, according to the latest information provided by our suppliers:

United States Food Regulations (FDA)

The grades and the additives incorporated in it comply with the Food and Drug Administration (FDA) regulation: **CFR Title 21, 177.1520: Olefin Polymers**. To the best of our knowledge, all other ingredients used in these products meet the requirements of their respective FDA regulations and 21CFR 177.1520. This product meets the FDA criteria in 21CFR 177.1520 for food contact applications, including cooking, listed under conditions of use A through H in 21CFR176.170(c), Table 2.

Canada Food Contact Regulations (HPFB)

A “Letter of No Objection” for these products have been approved by Health Canada. These products may be used in food contact applications such as bottles, food pails, caps, films, and casings under and at the temperature of 212 °F (100 °C) for all types of food.

Mercosur Food Contact Regulations

The monomer(s) and the additive(s) of these resins are listed in Mercosur /GMC/Res. N° 02/12, and Mercosur/GMC/Res. N° 32/07.

Brazil Food Contact

The monomer(s) and the additive(s) of this resin are listed in Anvisa RDC 56/2012 and RDC 326/2019

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European Union (EU) Food Contact Regulations

The composition of the listed resins complies with the European Union's food contact regulations, including the Framework Regulation **(EC) N° 1935/2004**, Regulation **(EC) N° 2023/2006** (GMP), Regulation **(EU) N° 10/2011** and Regulation **(EU) N° 2020/1245**, as amended, Annex I (including Table 1, Union list of authorized substances) and Annex II

The monomers and additives used to produce those products are listed in the Union List of Authorized Substances of Regulation (EU) N°10/2011. These resins do not have monomers which are regulated with Specific Migration Limits (SML). These resins contain one or more additives which are regulated with a SML, but all grades comply with the requirement of Overall Migration Limit (OML) of 60 mg/kg as mentioned in (EU) N°10/2011.

China Food Contact Regulations

Regarding to the requirements set forth in the following National Standards that are applicable to the grades referenced above:

1)National Standard of the People's Republic of China GB4806.1-2016, National Food Safety Standard on General Safety Requirements of Food Contact Materials and Articles.

2)National Standard of the People's Republic of China GB4806.6-2016, National Food Safety Standard on Plastic Resins for Food Contact.

3)National Standard of the People's Republic of China GB9685-2016, National Food Safety Standard on Use of Additives in Food Contact Materials and Articles.

4)National Standard of the People's Republic of China GB31603-2015, National Food Safety Standard on General Hygienic Practice for Production of Food Contact Materials and Its Products.

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Chemical Inventories

All the components of those products are listed on following inventories:

CANADA	Domestic Substances List (DSL)
PEOPLE'S REPUBLIC OF CHINA	Inventory of Existing Chemical Substances
EUROPEAN UNION	All necessary components have been registered or pre-registered according to Regulation (EU) No. 1907/2006 (REACH), Last update: January 19, 2021
SWITZERLAND	Exemptions from the obligation to notify/register
JAPAN	Existing & New Chemical Substances (ENCS) Inventory
KOREA	Existing Chemicals List (ECL)
NEW ZEALAND	Inventory of Chemical Substances (NZIoCS)
PHILIPPINES	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
TAIWAN	Taiwan Chemical Substance Inventory (TCSI)
UNITED STATES	Toxic Substances Control Act (TSCA) Chemical Inventory

Animal-Derived Materials - Kosher - Halal

No animal-derived materials are used in the manufacture or formulation of these products. These products can be considered free from bovine spongiform encephalopathy (BSE) and other transmissible spongiform encephalopathies (TSE). Suppliers have not made any efforts to certify its Polyethylene resins as Kosher/Halal or in compliance with Kosher/Halal guidelines.

California' s Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

These products, as shipped, do not contain any carcinogens or reproductive toxins presently known by the State of California to cause cancer or reproductive toxicity at a level of exposure subject to the requirements of California Proposition 65.

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Consumer Product Safety Improvement Act of 2008 (H.R. 4040)

These products do not contain lead and phthalates. It therefore complies with the relevant sections of the Consumer Product Safety Improvement Act of 2008 (H.R. 4040).

Clean Air

These products do not contain any ozone depleting substances, including those listed in Regulation (EC) No 1005/2009.

These products do not contain any of the following substances regulated by the Clean Air Act:

- Class I or Class II Ozone-Depleting Substances (CAA Section 602)
- Hazardous Air Pollutants (CAA Section 112)
- Accidental Release Prevention Substances (CAA Section 112(r))
- Volatile Organic Chemicals (CAA Section 111)

Heavy metals, RoHS, WEEE, Waste packaging, CONEG

No heavy metals (i.e., antimony, arsenic, barium, cadmium, chromium, lead, mercury, selenium, or silver) are purposely added to these products in quantities that would violate governmental guidelines. The summation of lead, cadmium, mercury, and hexavalent chromium in this product is less than 20 ppm. No polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), Deca Brominated Diphenyl Ethers (Deca BDE), or phthalates are intentionally added to those products. These products therefore meet the relevant requirements of the following Directives or Regulations:

- 2015/863/EU, 2011/65/EU and 2002/95/EC (RoHS)
- 2002/96/EC and 2012/19/EU (WEEE)
- 2000/53/EC (ELV)
- 94/62/EC, 2005/20/EC, and 2013/2/EU (Packaging Waste Directive)
- USA CONEG Regulation / Model Toxics in Packaging Legislation
- California Toxics in Packaging Prevention Act

Toys

These products comply with the requirements of ASTM F963, EN 71-3, EN71-9, EU Directives 2005/84/EC and 2009/48EC.

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Phthalates

No phthalates, including di-(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), benzyl butyl phthalate (BBP), diisononyl phthalate (DINP), diisodecyl phthalate (DIDP), di-n-octyl phthalate (DNOP), diisobutyl phthalate (DIBP), dimethyl phthalate (DMP), and diethyl phthalate (DEP) are intentionally added to those products. These products therefore meet the requirements of the Consumer Product Safety Improvement Act of 2008 and EU Directive 2005/84/EC.

European Chemicals Agency (ECHA) Substances of Concern

These products do not contain any Substances of Very High Concern (SVHC) as listed on the candidate list published by ECHA. These products do not contain substances restricted under REACH Annex XVII (Restricted Substances List) or subject to authorization under Annex XIV (Authorization List). Last update: January 19, 2021

Absence of Substances and Chemicals

None of the following substances are used as additives or raw materials in the manufacture of this product:

- Abietic acid
- Acrylamide
- Acrylonitrile or acrylonitrile co-polymers
- Alkylphenols
- Alkylphenol Ethoxylates, including nonylphenol ethoxylate and octylphenol ethoxylate
- Allergens, including but not limited to those listed in EU Regulation 1169/2011, Directives 2000/13/EC, 2003/89/EC, and Section B.01.010.1 (1) of Canadian Regulation C.R.C., c. 870 such as: peanuts, tree nuts, milk, eggs, wheat gluten, soybeans, fish and shellfish
- Aromatic amines
- Asbestos
- Azo compounds
- 2,2-Bis(4-hydroxyphenyl)propane bis(2,3-epoxypropyl) ether (BADGE), Bis (hydroxyphenyl)methane bis(2,3-epoxypropyl) ether (BFDGE), and/or Novolac glycidyl ethers (NOGE)
- Biocides
- Bisphenol compounds, including but not limited to: BPA, BPB, BPC, BPE, BPF, BPH, BPS, and BPZ
- Brominated or halogenated flame retardants
- Butylated Hydroxytoluene (BHT), Butylated Hydroxyanisole (BHA), and Tertiary butylhydroquinone (TBHQ)
- Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC), hydrofluorocarbons (HFC)
- Chlorinated paraffins, Chlorinated hydrocarbons
- Colorants or pigments
- Cyanuric acid
- Di(ethylhexyl) adipate (DEHA), diethyl hydroxyl amine (DEHA), or di(ethylhexyl)maleate

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(DEHM)

- Dimethylfumarate (DMF)
- Dioxins or furans
- Endocrine disruptors
- Epoxy derivatives listed in EU Directives 2002/16/EC and 1895/2005
- Epoxidised Soybean Oil
- Formaldehyde
- Fungicides or fumigants
- Genetically-modified organisms (GMO)
- Melamine
- Methyl bromide
- Mineral Oil Saturated Hydrocarbons (MOSH) or Mineral Oil Aromatic Hydrocarbons (MOAH)
- Natural rubber latex, dry natural rubber, or synthetic latex
- Nonyl phenol (NP)
- Organotin compounds
- Ozone-depleting chemicals
- Parabens
- Poly- and perfluoroalkyl substances (PFAS), as perfluoroctanoic acid (PFOA) and perfluoroctane sulfonate (PFOS)
- Pesticides and fungicides
- Photoinitiators, including: benzophenone, hydroxybenzophenone, and 4-methylbenzophenone, and Isopropylthioxanthone (ITX)
- Plasticizers
- Polycyclic aromatic hydrocarbons (PAH), also called polyaromatic hydrocarbons
- Polybrominated Diphenyl Ethers (PBDEs) included: decaBDE, octaBDE, and pentaBDE
- Polycarbonates
- Polychlorinated and Polybrominated Biphenyls (PCBs and PBBs)
- Polychlorinated and Polybrominated Terphenyls (PCTs and PBTs)
- Polydimethylsiloxane (PDMS)
- Radioactive Substances
- Recycled materials
- Silicone
- Sulfonamides
- Triclosan (2,4,4’-trichloro-2’-hydroxydiphenylether), Triclocarban
- Tris-Nonylphenol Phosphite (TNPP)
- Vinyl Chloride Monomer (VCM) and Polyvinyl Chloride (PVC) or copolymers