Polyethylene 503A Low Density

Global Chemical Inventory Compliance

All components of this product are compliant with the country/region Chemical Inventories as per the following table or are exempt:

Country	Inventory	Y/N
Europe	REACH	Yes
Canada	DSL	Yes
Canada	NDSL	N/A
United States	TSCA	Yes
Australia	AICS	Yes

Country	Inventory	Y/N
China	IECSC	Yes
Japan	ENCS	Yes
Korea	KECI	Yes
New Zealand	NZIoC	Yes
Philippines	PICCS	Yes
Taiwan	TCSI	Yes

US FDA Food Contact Status

When used unmodified and processed in accordance with Good Manufacturing Practices (GMP) for food contact applications, this product will comply with the U.S. Food and Drug Administration's food additive regulation 21 CFR 177.1520(c), paragraph 2.2, under the Federal Food, Drug, and Cosmetic Act. This product may be used to produce articles or components of articles used in contact with food for all food types described in Table 1 and Conditions of Use A-H described in Table 2 of U.S. FDA's regulation 21 CFR § 176.170(c). The preceding statement refers to regulatory requirements only, not to the product's physical utility. It is the responsibility of the article producer or food packager to determine that the article is suitable for its intended use.

US FDA Drug Master File (DMF)

This product is not currently listed under a FDA Drug Master File. Please contact Dow's Customer Information Group if you require more information (http://www.Dow.com/en-us/contact-us-cig).

US Pharmacopoeia (USP)

This product has not been assessed under U.S. Pharmacopoeia. Please contact Dow's Customer Information Group if you require further information (http://www.Dow.com/en-us/contact-us-cig).

Canadian Food Contact (HPFB or CFIA)

This product has been granted Canadian Health Products and Food Branch (HPFB) No Objection Status, it is the responsibility of the end user to consult HPFB before using this product in a food contact or pharmaceutical packaging application.

European Commission Regulation (EU) No 10/2011 (Food Contact)

The composition of this product complies with the requirements for use in contact with food of European Commission Regulation (EU) No 10/2011, including any subsequent amendments that are in force prior to the effective date of this Regulatory Data Sheet. Contact Dow at FGLREGL@dow.com to obtain the extended food contact certification letter for this product.

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China Food Contact Compliance

This product complies with GB9685-2016 Food Safety National Standard: Use of Additives for Food contact Materials and Articles and relevant requirements of GB 4806.1-2016 Food Safety National Standard: General Safety Requirements for Food-Contact Materials and Articles. This resin is listed under GB4806.6-2016 Food Safety National Standard: Food-contact Use Plastic Resins. The manufacturing process of this product complies with the relevant requirements of GB31603-2015: General Hygiene Standard for Production of Food Contact Materials and Articles as applicable to plastic resin production. Please contact Dow at FGLREGL@dow.com to obtain the extended food contact certification letter for this product.

Japan Hygienic Olefin and Styrene Plastics Association (JHOSPA)

This product is not currently registered under the Japan Hygienic Olefin and Styrene Plastics Association (JHOSPA) for use in food contact packaging applications.

India Standard for Contact with Food, Pharmaceuticals, or Drinking Water

The composition of this product has not been assessed for use in contact with foodstuff, pharmaceutical, or drinking water applications under the Indian Standards.

Latin America MERCOSUR Food Contact Status

This product complies with MERCOSUR GMC Resolution No. 56/92, Resolution No. 32/07 and Resolution No. 02/12.

Brazil ANVISA Food Contact Status

This product complies with ANVISA RDC Resolution 105/1999, Resolution No. 17/2008, Resolution No. 51/2010, Resolution No. 52/2010 and Resolution No. 56/2012.

Animal Derived Components (BSE/TSE)

To the best of our knowledge, this product is not manufactured or formulated with ingredients of animal origin.

Plant Derived Components

This product may contain one or more substances(s) synthesized from plant extracts, i.e. hydrolysis of plant oils into fatty acids and/or their derivatives, as per information from our raw material suppliers.

Palm Oil Derived Components

To the best of our knowledge, this product is not manufactured or formulated with ingredients derived from Palm Oil.

Food Allergens

To the best of our knowledge, there are no raw materials, including additives, that have their origin in peanuts, soybeans, milk, eggs, fish, shellfish (mollusks), crustaceans, tree nuts, mustard, celery, sesame, sunflowers, lupine, animal or vegetable proteins, caffeine, monosodium glutamate (MSG), colorants (including carmine and cochineal), corn, wheat, barley, rye, triticale, gluten, mushrooms, yams, and/or phenylalanine and its derivatives. No sulfates, sulfites, or sulfur dioxide are used in the synthesis of this material. This evaluation is based on information provided by our raw material and additive suppliers for the presence of the allergen-stimulating substances shown above. Therefore, although we believe this product to be free of the specified known allergy stimulating food substances, we cannot guarantee this.

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Materials from Genetically Modified Organisms

To the best of our knowledge, there are no raw materials, including additives, that have been derived from genetically modified organisms (GMO). This is based on information from our additive suppliers. Therefore, although we believe this product to be GMO free, we cannot guarantee it at this time.

Kosher

The raw materials used in the manufacture of this product are derived from non-animal sources. There is no animal fat, no animal derived materials, grain derived, or fermentation products used in this product. The product is not certified as kosher but will comply with the kosher dietary laws. Therefore, this product can be used with kosher products without compromising the status of the products.

Halal

This product has not been manufactured or formulated with animal fats or ingredients derived from animal or fermentation products.

REACH

For information on Dow and the European Union regulation for Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), visit our website, https://reach.dow.com/.

This product is not manufactured or formulated with any of the Substances of Very High Concern (SVHC) as per the candidate list that was current as of the effective date of this regulatory datasheet that would require reporting under this regulation. Current information can be found at the ECHA website. https://echa.europa.eu/candidate-list-table. Please contact Dow's Customer Information Group for more information (http://www.Dow.com/en-us/contact-us-cig).

EU Directive 2011/65/EU (RoHS)

This product complies with the requirements of Article 4.1 of EU Directive 2011/65/EU (RoHS 2), as amended (Directive (EU) 2015/863 inclusive) (RoHS 3). It is not intentionally manufactured or formulated with cadmium, hexavalent chromium, lead, mercury, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), or Diisobutyl phthalate (DIBP).

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

EU Directive 2012/19/EU on WEEE: Selective treatment of the waste (Annex VII). None of the substances listed in Annex VII are intentionally added or used in the formulation of this product with the following exception. This product is a hydrocarbon; however, liquid hydrocarbons are not present in this product.

Heavy Metals, EU 94/62/EC and Coalition of Northeastern Governors (CONEG)

This product conforms to the Coalition of Northeastern Governors (CONEG) and the European Directive 94/62/EC, as amended, on Packaging and Packaging Waste, Article 11. Any incidental levels of lead, cadmium, hexavalent chromium, and mercury do not exceed 100 ppm total.

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Toy Safety - ASTM F963 / EN 71-3

This product is not formulated with antimony, arsenic, barium, boron, cadmium, chromium, cobalt, copper, mercury, lead, nickel, selenium, strontium or tin. To the best of our knowledge, it does not contain these substances above the limits set in ASTM F 963-11, Section 4.3.5.2. This product complies with the requirements of EN 71 Safety of Toys - Part 3, Migration of Certain Elements.

Mineral Oil Aromatic Hydrocarbons / Mineral Oil Saturated Hydrocarbons

This product is not intentionally formulated with Mineral Oil Aromatic Hydrocarbons (MOAH); however, this product is formulated with food grade, White Mineral Oil (MOSH) in compliance with Commission Regulation (EU) No 10/2011 and U.S. FDA food contact requirements.

Consumer Product Safety Improvement Act of 2008 (CPSIA)

This product is not manufactured or formulated with lead, di-(2-ethylhexyl)phthalate (DEHP), dibutyl phthalate (DBP), or benzyl butyl phthalate (BBP). To the best of our knowledge, it does not contain these materials above the limits set in the Consumer Product Safety Improvement Act of 2008, Title 1, Sections 101 and 108.

Canadian Environmental Protection Act Challenge Substances

This product is not intentionally manufactured or formulated with any of the chemical substances in the Batch Lists of Challenge Substances released by the Canadian Environmental Protection Agency (CEPA) that would require reporting as of the effective date of this document. Although some of the components of the additives used in this product may have exposure guidelines, these materials are encapsulated in the product and no exposure would be expected under normal handling conditions. Please be advised that we do not analyze for these specific substances.

(http://www.chemicalsubstanceschimiques.gc.ca/challenge-defi/index-eng.php)

Butylated Hydroxytoluene (BHT) (CAS# 128-37-0)

This product is not formulated with Butylated Hydroxytoluene (BHT - CAS # 128-37-0); however, it may contain trace amounts up to a maximum of 5 ppm.

Clean Air Act

This product is not manufactured or formulated with Class I or II substances as defined under 40 CFR part 82 of the Clean Air Act of 1990, as amended (58 FR 8136).

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

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute as of the effective date of this regulatory datasheet.

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

Dow Performance Plastics is pleased that your company is a member of the community of companies committed to focusing on human rights. We share the concern of our customers that the trade of gold, columbite-tantalite (coltan) or its derivative tantalum, cassiterite or its derivative tin, wolframite or its derivative tungsten, (the “Conflict Minerals”) sourced from the Democratic Republic of the Congo, Sudan, Uganda, Rwanda, Burundi, United Republic of Tanzania,

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Zambia, Angola, Congo, or the Central African Republic (the "Covered Countries") may come from mines or trading routes controlled by armed groups in the Covered Countries. It is our policy not to knowingly purchase any raw materials that contain Conflict Minerals that directly or indirectly finance or benefit armed groups in the Covered Countries.

The responses that we have received from our raw material suppliers indicate that none of the raw materials used to produce the listed products contain tantalum, tin, tungsten, gold or their derivatives, and these materials are not used in the production of the raw materials purchased by Dow for the manufacture of the listed products.

Please note that the Securities and Exchange Commission (the "SEC") adopted a final rule pursuant to Section 1502 (the "Conflict Minerals Provision") of the Dodd-Frank Wall Street Reform and Consumer Protection Act (the "Dodd-Frank Act"). Public companies for whom Conflict Minerals are "necessary to the functionally or production of a product" manufactured, or contracted to be manufactured, by it must conduct a reasonable country of origin in inquiry as to whether its Conflict Minerals originated outside of the Covered Countries or are from recycled or scrap sources. Companies subject to the Conflict Minerals Provision must file their Specialized Disclosure Report, covering products manufactured, with the SEC and also provide this report on its publicly available Internet website.

Dow's current Form SD filed with the SEC is available on our website at:
http://www.dow.com/en-us/investor-relations/codes-of-conduct/responsible-sourcing-conflict-minerals

Please note that the SEC has clarified that companies that use chemical compounds derived from tin, tantalum and tungsten (3T organometallic compounds) are not required to conduct any inquiry into the source of such 3T organometallic compounds nor are such 3T Organometallic compounds required to be included in the specialized disclosure report to the SEC. The SEC clarified that only the 3T metals themselves and alloys that contain the 3T are within the scope of the Conflict Minerals Provision.

This product is not intentionally manufactured or formulated with the listed conflict minerals as per Section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act; however, we do not analyze for these specific substances or compounds.

- Columbite-Tantalite – refined into Tantalum (Ta) (CAS # 7440-25-7)

- Cassiterite – refined into Tin (Sn) (CAS # 7440-31-5)

- Wolframite – refined into Tungsten (W) (CAS # 7440-33-7)

- Gold (Au) (CAS # 7440-57-5)

We are disclosing the above information, to the best of our knowledge based upon data from our raw material suppliers. We believe this information to be accurate and reliable as of the effective date of this Regulatory Data Sheet.

Dow has a long history of commitment to sustainability. We believe sustainability is truly about our relationship with the world, in terms of global footprint, product stewardship and innovation and local citizenship. We measure ourselves against the triple bottom line of economic prosperity, environmental stewardship, and corporate citizenship.

Dow has signed onto the United Nations Global Compact, a voluntary corporate citizenship initiative in the areas of human rights, labor conditions, the environment and anti-corruption. The first two principles of the UN Global Compact, which are derived from the Universal Declaration of Human Rights, are:

- Principle 1: Businesses should support and respect the protection of internationally proclaimed human rights;
- Principle 2: Business should make sure that they are not complicit in human rights abuses.

See also:
Dow's Code of Business Conduct:
http://www.dow.com/en-us/investor-relations/codes-of-conduct/code-of-business-conduct
In addition to our Code, see Dow Sustainability – Human Rights page at:



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http://www.dow.com/en-us/investor-relations/codes-of-conduct/human-rights
Dow's Business Code of Conduct for Suppliers:
http://www.dow.com/en-us/about-dow/our-company/supplier-information/expectations-of-suppliers

Should you have any further questions, please do not hesitate to contact your Account Manager.

Substances and Chemicals

This product is not intentionally manufactured or formulated with the following substances or compounds; however, we do not analyze for these substances or compounds.

Acrylamide
Adipates
Alkylphenols and Alkylphenol ethoxylates belonging to the group of potential estrogen mimics - Specifically - nonylphenol, octylphenol, butylphenol, dodecylphenol
Antimony and Antimony compounds
Aromatic amines
Arsenic and Arsenic compounds
Asbestos
Azo compounds
Beryllium and Beryllium compounds
Biocides
Bis(2-ethylhexyl) adipate (DEHA)
Bisphenol compounds, including but not limited to: BPA, BPB, BPC, BPE, BPF, BPS, and BPZ
Butylated Hydroxyanisole (BHA)
Cadmium and Cadmium compounds
Chlorofluorocarbons (CFCs) or Hydrochlorofluorocarbons (HCFCs)
Colorants or pigments
Chlorinated paraffins
Colophony
Copper and Copper compounds
Dimethylfumarate (DMF)
1,4 - Dioxane
Dioxins or furans
Endocrine disruptors (proven by the industry)
Epoxy derivatives listed in EU Regulation (EC) No 1895/2005
- Bisphenol A diglycidyl ether (BADGE) (CAS # 1675-54-3)
- Bisphenol F diglycidyl ether (BFDGE) (CAS # 39817-09-9)
- Novolac Glycidyl Ethers (NOGE)

Fiberglass
Flavorings or Fragrances
Fluorotelomers
Formaldehyde
Fungicides, pesticides, preservatives, or fumigants
Halogenated (Brominated or chlorinated) or phosphorous based flame retardants
Halogenated organic compounds
Hexachlorobenzene
Human Derived substances
Isocyanates
Materials derived from the Jatropha Plant
Melamine

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Mercury and Mercury compounds
Nano materials
Natural rubber latex, dry natural rubber, or synthetic latex
Nickel and nickel compounds
Nitroso compounds
Organotin compounds
Ozone-depleting chemicals (includes lists under the Montreal Protocol & Regulation (EC) No 1005/2009)
Parabens
Pentachlorophenol
Perchlorates
Perfluorooctanoic acid (PFOA), perfluorooctane sulfonate (PFOS) or perfluoroalkyls
Phthalates / Phthalate esters
Photoinitiators, including: benzophenone, hydroxybenzophenone, and 4-methylbenzophenone, and Isopropylthioxanthone (ITX)
Plasticizers
Polycyclic Aromatic Hydrocarbons (PAHs)
Polybrominated Diphenyl Ethers (PBDEs)
Polychlorinated and Polybrominated Biphenyls (PCBs and PBBs)
Polychlorinated and Polybrominated Naphthalenes
Polychlorinated and Polybrominated Terphenyls (PCTs and PBTs)
Polyvinylidene Chloride (PVDC)
Polyvinyl Chloride (PVC)
Radioactive Substances
Recycled materials
Silicone
Silver and silver compounds
Styrene
Sulfonamides
Tertiary butylhydroquinone (TBHQ) CAS# 1948-33-0
Triclosan (2,4,4'-trichloro-2'-hydroxydiphenylether)
Tris(2-chloroethyl)phosphate (TCEP) CAS# 115-96-8
Tris(nonylphenyl)phosphite (TNPP)
Vinyl Chloride Monomer (VCM)
Xylene
Zinc and Zinc compounds

Product Stewardship
The Dow Chemical Company and its subsidiaries ("Dow") has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our Product Stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take the appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products—from the initial concept and research, to manufacture, use, sale, disposal and recycle of each product.

Customer Notice
Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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Medical Applications Policy

NOTICE REGARDING MEDICAL APPLICATION RESTRICTIONS: Dow will not knowingly sell or sample any product or service ("Product") into any commercial or developmental application that is intended for:

a. long-term or permanent contact with internal bodily fluids or tissues. "Long-term" is contact which exceeds 72 continuous hours;
b. use in cardiac prosthetic devices regardless of the length of time involved ("cardiac prosthetic devices" include, but are not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass-assisted devices);
c. use as a critical component in medical devices that support or sustain human life; or
d. use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.

Dow requests that customers considering use of Dow products in medical applications notify Dow so that appropriate assessments may be conducted. Dow does not endorse or claim suitability of its products for specific medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that the Dow product is safe, lawful, and technically suitable for the intended use. **DOW MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE SUITABILITY OF ANY DOW PRODUCT FOR USE IN MEDICAL APPLICATIONS.**

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