

PRODUCT REGULATORY INFORMATION SHEET**EASTMAN**

Print Date: 01/13/09

Version: 11/10/2008 (00001.00003)

71068588

Eastman Tritan(TM) Copolyester TX1001

PRODUCT NAME	
Eastman Tritan(TM) Copolyester TX1001	

COMPANY INFORMATION	
Address	Eastman Chemical Company P. O. Box 511 Kingsport, TN 37662

FOOD CONTACT / FOOD ADDITIVE INFORMATION	
North America Region	
Canada	
HPFB - CFIA	For a copy of the Health Products Food Branch Letter of No Objection, contact your Eastman customer service representative.
United States	
21 CFR Compliance	Under regulations administered by the U.S. Food and Drug Administration (FDA), this product, as supplied by Eastman Chemical Company, may lawfully be used on the basis of 21 CFR 174.5(d)(5) as a component in the manufacture of repeated use food-contact articles as described in Food Contact Notification No. 729 (http://vm.cfsan.fda.gov/~dms/opa-fcn.html). The finished food contact article containing this polymer is intended to contact all types of food at temperatures up to and including 100°C (for definitions of food types, refer to Tables 1 and 2 at website http://www.cfsan.fda.gov/~rdb/opa-fcn3.html). In addition, the general provisions for indirect food additives in 21 CFR 174.5 are applicable to the use of this product.
FCN Number	729

OTHER APPLICABLE REGULATIONS	
EMEA Region	
European Union	
Directive 94/62/EC (Packaging and Packaging Waste), as amended	This statement covers the following heavy metals (or their compounds): Cadmium (Cd), Hexavalent chromium (Cr (6+)), Lead (Pb), Mercury (Hg) This product complies with the heavy metal content limits of this legislation.
Substances of Animal Origin Regulation 999/2001, as amended	Based on our knowledge of the raw materials and processes used in the manufacture of this product, we have no reason to expect that animal-derived or bovine-derived materials are present in this product. This product is manufactured using non-animal-derived raw materials. Additionally, this product does not contain, and is not derived from, specified risk materials as defined in EU regulations. This product is not derived from any constituent of animal origin, including ruminants, excluding milk or milk derivatives and derivatives of wool and hair of ruminants. The equipment used in the manufacturing process of the product did not come into contact with a substance derived from animal origin.
Directive 2001/18/EC and Regulations 1829/2003 and 1830/2003 (Genetically Modified	Based on our knowledge of the raw materials or based on supplier information, this product is considered not genetically modified or not derived from a genetically modified organism as defined in

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Organisms), as amended	these regulations.
Directive 2005/84/EC, Commission Decision 1999/815/EC (Phthalates), as amended	The term "phthalates" refers to diesters of phthalic acid (also known as ortho-phthalic acid or 1,2-benzenedicarboxylic acid) that are used to make materials, such as vinyl, more flexible. These are the substances which are the subject of specific regulations in some countries and which a number of state and municipal governments in the United States have banned or proposed to ban in certain consumer products. Phthalate esters are not used in the manufacture of this product. However, there is potential for confusion resulting from the use of dimethyl terephthalate as a monomer to manufacture this polymer. Terephthalates have different physical, chemical, and toxicological properties than the ortho-phthalate esters, and we are not aware of any scientific studies linking terephthalates with endocrine effects. More importantly, dimethyl terephthalate is reacted and becomes part of a high molecular weight polymer. In contrast, low molecular weight plasticizers, such as ortho-phthalates, can be used at high loadings and have a high potential for migration when the plasticized polymer is used in contact with fatty foods.
Directive 2002/215/EC Regulation 2037/2005 (Ozone Depleting Substances), as amended	Eastman Chemical does not analyse this product for ozone depleting substances (ODS) that are classified as such by this legislation. Based on our knowledge of the raw materials and our manufacturing process, we do not expect the listed substances to be present in our products.
Directive 2000/53/EC (End of Life Vehicles - ELV), as amended	This statement covers the following heavy metals (or their compounds): Cadmium (Cd), Hexavalent chromium (Cr (6+)), Lead (Pb), Mercury (Hg). This product complies with the heavy metal content limits of this legislation.
Directive 2000/76/EC (Incineration of Waste - heavy metals provision), as amended	This statement covers the following heavy metals (or their compounds): Antimony (Sb), Arsenic (As), Cadmium (Cd), Cobalt (Co), Copper (Cu), Hexavalent chromium (Cr (6+)), Lead (Pb), Manganese (Mn), Mercury (Hg), Nickel (Ni), Thallium (Tl), Vanadium (V), Zinc (Zn). This product complies with the heavy metal content limits of this legislation.
Directive 2002/95/EC (Restrictions of Hazardous Substances - RoHS), as amended	RoHS states that "Member States shall ensure that from 1 July 2006, new electrical and electronic equipment put on the market does not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE), including decabromodiphenyl ether." To our knowledge, these substances are not used as raw materials in this product, nor are they added during the production process or the end product. Although we do not routinely analyse our product for these substances, we have no reason to expect that lead, mercury, cadmium, hexavalent chromium, PBB or PBDE are present in this product, except as a possible trace impurity.
Directive 2002/96/EC (Waste Electrical and Electronic Equipment (WEEE)), as amended	The purpose of this directive, as a first priority, is the prevention of waste electrical and electronic equipment. In addition, it addresses the reuse, recycling and other forms of recovery of such wastes so as to reduce the disposal of waste. It also seeks to improve the environmental performance of all operators involved in the life cycle of electrical and electronic equipment, e.g. producers,

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	distributors and consumers, and in particular those operators directly involved in the treatment of waste electrical and electronic equipment. We have no reason to expect that this product as marketed by Eastman would contain substances that will obstruct the reuse, recycling or other forms of recovery of the waste of electrical and electronic waste.
Directive 2003/53/EC (Restricting Nonylphenol and Nonylphenol Ethoxylates), as amended	Eastman Chemical Company does not analyse this product for nonylphenol and nonylphenol ethoxylates. Emulsifiers are not used as a raw material, nor are they added to the manufacturing process or the end product. Therefore, we have no reason to expect that these substances are present.
Directive 2005/1895/EC (Epoxy Derivatives), as amended	Eastman Chemical Company does not analyse this product for the following epoxy substances: Bis(hydroxyphenyl)methane bis(2,3-epoxypropyl) ethers (BFDGE); 2,2-bis(4-hydroxyphenyl)propane bis(2,3-epoxypropyl) ether (BADGE); Novolac glycidyl ethers (NOGE); Bisphenol-A; Bisphenol-F. However, these substances are not used as a raw material, nor are they added to the manufacturing process or the end product. This product complies with 2005/1895/EC, and amendments, which replaced EU Directive 2002/16/EC.
Directive 67/548/EEC and Directive 76/769/EEC (Carcinogens, Mutagens, Reproductive Toxins), as amended	Eastman Chemical Company does not analyse this product for the carcinogens, mutagens, reproductive toxins (CMRs) that are classified as such by Directive 67/548/EEC, and amendments, and Directive 76/769/EEC, and amendments. However, these substances are not added to the manufacturing process or the end product and we do not expect that these substances will be formed during manufacturing or under normal handling, storage and use conditions of our product. We have no reason to expect that these substances would be present.
Directive 76/768/EEC (Cosmetics Directive), as amended	Eastman Chemical Company does not analyse this product for fragrances as described in this Directive, and are not used as a raw material, nor are they added to the manufacturing process or the end product. We have no reason to expect that fragrances would be present.
Directive 76/769/EEC (Marketing and Use of Certain Dangerous Chemicals), as amended	This statement covers the following heavy metals (or their compounds): Arsenic (As), Cadmium (Cd), Cobalt (Co), Hexavalent chromium (Cr (6+)), Lead (Pb), Mercury (Hg), Nickel (Ni), Zinc (Zn). This product complies with the heavy metal content limits of this legislation.
Directive 98/8/EC (Biocides), as amended	Eastman Chemical Company does not analyse this product for the listed biocides. However, the listed biocides are not used as a raw material, nor are they added to the manufacturing process or the end product. Therefore, we have no reason to expect that these substances would be present.
EN71-3 (Safety of Toys - Specification for Migration of Certain Elements)	This statement covers the following heavy metals (or their compounds): Antimony (Sb), Arsenic (As), Barium (Ba), Cadmium (Cd), Hexavalent chromium (Cr (6+)), Lead (Pb), Mercury (Hg), Selenium (Se). This product complies with the heavy metal content limits of this legislation.
Directive 88/378/EEC (Toy Safety), as amended	This statement covers the following heavy metals (or their compounds): Antimony (Sb), Arsenic (As), Barium (Ba), Cadmium

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	(Cd), Hexavalent chromium (Cr (6+)), Lead (Pb), Mercury (Hg), Selenium (Se). This product complies with the heavy metal content limits of this legislation.
WGK Identification Number:	not available
EU Regulation 208/2005 (Polycyclic Aromatic Hydrocarbons), as amended	Eastman Chemical Company does not analyse this product for the following polycyclic aromatic hydrocarbons (PAH): Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]anthracene; Benzo[b]fluoranthene; Benzo[j]fluoranthene; Benzo[k]fluoranthene; Benzo[ghi]perylene; Benzo[a]pyrene; Chrysene; Cyclopenta[c,d]pyrene; Dibenzo[a,h]anthracene; Dibenzo[a,e]pyrene; Dibenzo[a,h]pyrene; Dibenzo[a,i]pyrene; Dibenzo[a,l]pyrene; Fluoroanthene; Fluorene; Indeno[1,2,3-cd]pyrene; Naphthalene; Phenanthrene; Pyrene; 5-methylchrysene. These substances are not used as a raw material, nor are they added to the manufacturing process or the end product. We have no reason to expect that the listed substances would be present in this product.
Directive 2004/42/EC (Volatile Organic Compounds), as amended	This product is not considered to be a volatile organic compound (VOC), nor does it contain a VOC, as defined in Article 5 of EU Directive 2004/42/EC (an organic substance with an initial boiling point less than or equal to 250 °C at a standard pressure of 101,3 kPa). Also, it is not considered a VOC, nor does it contain one, as defined in the Swiss ordinance on incentive taxes on volatile organic compounds (OVOC): "volatile organic compounds (VOC) are organic compounds with a vapour pressure of at least 0.1 mbar at 20°C or a boiling point of maximum 240°C at 1013.25 mbar".
Regulation (EC) No. 1907/2006 on the Registration, Evaluation and Authorisation of Chemicals (REACH)	With reference to the SVHC Candidate List published on 28 October 2008, Eastman Chemical Company (Eastman) makes the following statements: Eastman does not analyse for the presence of any substances listed on the SVHC Candidate List in this product as supplied by Eastman. Eastman does not use any of these substances in the manufacture of this product and does not believe that any of these substances are present as an impurity in the raw materials. Furthermore, based on our current knowledge of our manufacturing processes, we have no reason to believe that any of the substances listed on the SVHC Candidate List will be formed during manufacturing or under prescribed handling, storage and use conditions. Therefore, Eastman is confident that no substances listed on the SVHC Candidate List will be present above the 0.1% (w/w) threshold concentration. Please see our website for information on this topic: www.eastman.com/reach .
North America Region	
United States	
9 CFR 94.18 (BSE/TSE)	The U.S. Food and Drug Administration and the U.S. Department of Agriculture have recommended that products intended for use in foods, drug, cosmetics, or medical devices not be manufactured using bovine-derived materials from countries where bovine spongiform encephalopathy (BSE) has been diagnosed. BSE is one type of Transmissible Spongiform Encephalitis (TSE). The BSE-identified countries are listed in the U.S. Code of Federal

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	Regulations at 9 CFR 94.18. Based on our knowledge of the raw materials and processes used in the manufacture of this product, we have no reason to expect that bovine-derived materials are present in this product.
US CSG (CONEG)	This statement covers the following heavy metals (or their compounds): Cadmium (Cd), Hexavalent chromium (Cr (6+)), Lead (Pb), Mercury (Hg). These metals are not intentionally added to this product as supplied by Eastman Chemical Company. We have not specifically analyzed this product for the presence of these substances. Based on our knowledge of the raw materials and the manufacturing process, the sum of any trace quantities of these substances is below the legislation limit.
California Proposition 65	Eastman has not specifically analyzed our product for the presence of the substances listed in Proposition 65. Based on our knowledge of the raw materials and manufacturing process, we have no reason to expect that this product would contain substances at levels which would require warning as required by Proposition 65. Because Eastman has limited knowledge of your manufacturing processes, products or the circumstances under which potential exposures may arise, Eastman is unable to certify that when our product is used to manufacture your products, no individuals using such products in California will be exposed to any Proposition 65 chemicals in amounts that require a Proposition 65 warning. For this reason, your company must make its own determination that Eastman products are safe, lawful, and technically suitable for use in your company's intended applications. If you have general questions regarding the chemical composition or properties of specific products, please refer to the Material Safety Data Sheet.
GMO (Genetically Modified Organisms)	This product is not derived from either plant or animal sources and, therefore, is not produced using genetically modified organisms (GMOs) or recombinant DNA technology.
40 CFR Part 82 Subpart E, ODS	Eastman Chemical Company products are neither manufactured with nor contain any "ozone depleting substances" listed by the U.S. Environmental Protection Agency for the protection of stratospheric ozone (Title VI of the Clean Air Act, and 40 CFR Part 82, Subparts A and E). However, based on our knowledge of the raw materials and manufacturing process, these substances may be present in trace quantities in our products.
40 CFR Part 60, VOC	Eastman has performed no specific testing of this product for VOC content. Based on the physical properties of this material, the VOC content is expected to be negligible when tested using EPA Method 24.
CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302, Table 302.4)	This product or its components are not listed.
SARA Title III, Section 313 List of Toxic Substances (40 CFR 372.65)	Substances subject to restrictions under this regulation will be provided in Section 15 of our MSDS for this product.
National Sanitation Foundation	This product is certified to ANSI/NSF Standard 51.

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(NSF)	
Consumer Product Safety Improvement Act of 2008	We have not analyzed this product for the following substances: Lead, Di-iso-nonyl phthalate (DINP); Di(2-ethylhexyl) phthalate (DEHP); Dibutyl phthalate (DBP); Di-iso-decyl phthalate (DIDP); Di-n-octyl phthalate (DNOP); Butylbenzyl phthalate (BBP). However, these substances are not used as a raw material, nor are they added to the manufacturing process or the end product. We have no reason to expect that these substances would be present above the threshold levels in this legislation (>300 ppm for lead; and concentrations >0.1% for the listed phthalates).
Kosher Status	Eastman has not sought or received kosher certification for this product, nor do we currently manufacture it under rabbinical supervision. However, Eastman does not use any animal-derived raw materials or additives in the production of this product. Accordingly, it is our understanding that the kosher status of foods packaged in containers made from this product, as supplied from our manufacturing sites, is not adversely affected by the use of this polymer.

Users should consider this regulatory information provided only as a supplement to other information, such as the Material Safety Data Sheet. It is the responsibility of our customers to determine that their use of our product(s) is safe, lawful, and technically suitable in their intended applications. Because of possible changes in the laws and regulations, as well as possible changes in our products, we cannot guarantee that the status of this product will remain unchanged. Therefore, we recommend that customers continuing to use this product verify its status periodically. For additional information about this product, please contact your Eastman representative or visit our website at www.eastman.com.

Neither Eastman Chemical Company nor its marketing affiliates shall be responsible for the use of this information, or of any product, method or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability or fitness of any product, and nothing herein waives any of the Seller's conditions of sale.