

EMERGE™ PC/PET 9500CR TC8702232 Advanced Resin**Product Information****Allergens**

This product contains a raw material that is derived, in part, from soybeans.

Animal Derived Components

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

Bisphenol A (BPA)

As supplied by Trinseo, this product typically contains levels below 50 ppm of the following substance:

Bisphenol A CAS# 80-05-7

Please note that the amount of residual BPA present in the customer's end-use product will be dependent on the customer's production process and formulation and must, therefore, be determined based on the end-use product.

Conflict Minerals

Trinseo does not use conflict minerals in manufacturing its products. Conflict minerals are not necessary to the "functionality or production" of our products. Based on the information we have to date, we are not aware of any conflict minerals sourced from the DRC or adjoining countries in our supply chain.

Genetically Modified Organisms

This product contains an additive that may be derived from genetically modified organisms (GMOs).

Global Chemical Inventory Compliance

This product is a mixture, all of the ingredients are on or not required to be listed on the following Global Inventories: Australia - AICS (Australia Inventory of Chemical Substances), Canada - DSL (Domestic Substances List), China - IECSC (Inventory of Existing Chemical Substances in China), Europe - EINECS (European Inventory of Existing Chemical Substances)/ELINCS (European List of Notified Chemical Substances), Japan - ENCS (Existing and New Chemical Substances), Korea - KECL (Korean Existing Chemicals List), and U.S. - TSCA (Toxic Substances Control Act).

Heavy Metals & CONEG

The heavy metals cadmium, lead, mercury and hexavalent chromium are not intentionally used in the formulation of this material.

Kosher

This product is not made under Kosher/Halal conditions.

Biocompatibility Testing

This product has been tested under limited ISO 10993 testing. If biocompatibility data is required, please contact us at CIG@trinseo.com.

THIS PRODUCT IS NOT CONSIDERED TO BE A MEDICAL GRADE AND WILL FALL UNDER TRINSEO'S STANDARD NOTIFICATION OF CHANGE (NOC) POLICY.

Trinseo 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 Trinseo product is safe, lawful, and technically suitable for the intended use.

Phthalate Esters

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

- Butyl benzyl phthalate (BBP), CAS# 000085-68-7
- Diethyl hexyl phthalate (DEHP), CAS# 117-81-7
- Diethyl phthalate (DEP), CAS# 000084-66-2
- Diisobutyl phthalate (DIBP), CAS# 000084-69-5
- Di-iso-decyl phthalate (DIDP), CAS# 26271-40-0
- Di-isononyl phthalate (DINP), CAS# 28553-12-0
- Dimethyl phthalate, CAS# 131-11-3
- Di-n-butyl phthalate (DBP), CAS# 000084-74-2
- Di-n-hexyl phthalate (DnHP), CAS# 000084-75-3
- Di-n-octyl phthalate (DNOP), CAS# 117-84-0
- Dimethyl Phthalate (DMP), CAS# 131-11-3
- Bis(2-methoxyethyl) Phthalate (DMEP), CAS#117-82-8

Polynuclear Aromatic Hydrocarbons (PAHs)

This product is not intentionally manufactured or formulated with the following Polynuclear Aromatic Hydrocarbons (PAHs); however, we do not analyze for these specific substances or compounds.

- Acenaphtylene, CAS# 208-96-8
- Acenaphtene, CAS# 83-32-9
- Anthracene, CAS# 120-12-7
- Benzo[a]anthracene, CAS# 56-55-3
- Benzo[b]fluoranthene, CAS# 205-99-2
- Benzo[k]fluoranthene, CAS# 207-08-9
- Benzo[g,h,i]perylene, CAS# 191-24-2
- Benzo(J)fluoranthene (BjFA), CAS# 205-82-3

- Benzo(k)fluoranthene (BkFA), CAS# 207-08-9
- Benzo[a]pyrene, CAS# 50-32-8
- Benzo(a)pyrene (BaP), CAS# 192-97-2
- Chrysene, CAS# 218-01-9
- Coronene, CAS# 191-07-1
- Corannulene, CAS# 5821-51-2
- Dibenz[a,h]anthracene, CAS# 53-70-3
- Fluorene, CAS# 86-73-7
- Fluoranthene, CAS# 206-44-0
- Indeno[1,2,3-cd]pyrene, CAS# 193-39-5
- Naphthacene, CAS# 92-24-0
- Naphthalene, CAS# 91-20-3
- Pentacene, CAS# 84434-51-5
- Phenanthrene, CAS# 85-01-8
- Pyrene, CAS# 129-00-0
- Ovalene, CAS# 190-26-1
- Triphenylene, CAS# 217-59-4

Persistent Organic Pollutants (POPs)

In response to your request for information regarding chemicals listed by the Stockholm Convention on Persistent Organic Pollutants (POPs Treaty), the above mentioned product is not manufactured or formulated with the below substances which are currently listed in Annex A, B and C on the following website: <http://chm.pops.int/Convention/ThePOPs/tabid/673/language/en-US/Default.aspx>.

Substances/Compounds

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

- Alkylphenols (Octylphenol, CAS# 67554-50-1; Nonylphenol, CAS#s 104-40-5, 25154-52-3, 84852-15-3, 90481-04-2)
- Alkylphenol ethoxylates (octylphenol ethoxylated, CAS# 52623-95-7; nonylphenol ethoxylated, CAS # 9016-45-9)
- Arsenic, CAS# 7440-38-2
- Asbestos, CAS#s 12001-28-4, 12001-29-5, 1332-21-4, 17068-78-9, 14567-73-8, 77536-68-6
- Azocolorants
- Beryllium and its compounds
- Bisphenol A diglycidyl ethers "BADGE", CAS# 1675-54-3; Bisphenol F diglycidyl ethers "BFDGE", CAS# 54208-63-8
- Brominated compounds below:
 - Polybrominated biphenyl (PBB), CAS# 36355-01-8

- Polybrominated biphenyloxides (PBBOs)
- Polybrominated diphenyloxides (PBDOs) or Polybrominated diphenylethers (PBDEs)
Decabromodiphenyl ether (DBDE), CAS# 1163-19-5; Pentabromobidiphenyl ether (PeBDPO), CAS# 32534-81-9;
Octabromodiphenyl ether, CAS# 32536-52-0
- Butylated hydroxyanisole(BHA), CAS# 25013-16-5; Butylated hydroxytoluene (BHT), CAS# 128-37-0
- Cadmium and its compounds
- Chlorofluorocarbons (CFCs) and Hydrogenated ChloroFluroCarbons (HCFCs)
- Chlorinated paraffins, CAS # 63449-39-8, 61788-76-9
- Dioxins
- Dimethylfumarate, CAS# 624-49-7
- Epichlorohydrin, CAS# 106-89-8
- Formaldehyde, CAS# 50-00-0
- Natural Rubber Latex, CAS# 9006-04-6
- Lead and its compounds
- Mercury and its compounds
- Organic tins (tetrabutyl tin, CAS# 1461-25-2; tributyl tin, CAS#. 688-73-3; triphenyl tin, CAS# 892-20-6)
- Pentachlorophenol, CAS# 87-86-5
- Perfluorooctanoic acid (PFOA), CAS# 335-67-1
- Perfluorooctane sulfonate (PFOS), CAS # 1763-23-1
- Polychlorinated biphenyls (PCBs), CAS# 1336-36-6
- Polychlorinated terphenyls (PCTs), CAS# 61788-33-8
- Polychlorinated naphthalenes (PCNs), CAS#s 70776-03-3, 1321-64-8, 1321-65-9, 1335-87-1, 1335-88-2, 32241-08-0
- Polyvinyl Chloride (PVC), CAS# 9002-86-2
- Radioactive Substances
- Trichloroethylene, CAS# 79-01-6 and Tetrachloroethylene, CAS# 127-18-4

North America Regulations

ASTM F963 - Standard Consumer Safety for Toy Safety

This product is not formulated with antimony, arsenic, barium, cadmium, chromium, mercury, lead or selenium. To the best of our knowledge, it does not contain these substances above the limits set in ASTM F 963-95, Section 4.3.5.2., Table 1.

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.

Canadian Environmental Protection Act Challenge Substances

This product is not intentionally manufactured or formulated with the Batch Lists of Canadian Environmental Protection Agency (CEPA) Challenge Substances released as of the effective date of this document, with the exception of:

- Bisphenol A (BPA) (CAS# 80-05-7) listed under Batch 2 Challenge Substances
- Carbon Black (CAS# 1333-86-4) listed under Batch 12 Challenge Substances
- Antimony Oxide (CAS# 1309-64-4) listed under Batch 9 Challenge Substances

Please be advised that we do not analyze for these specific substances. Please refer to:

<http://www.chemicalsubstanceschimiques.gc.ca/challenge-defi/index-eng.php>.

Clean Air Act

This product is not intentionally manufactured or formulated with Class I or II substances as defined under 40 CFR part 82 of the Clean Air Act of 1993, as amended (58 FR 8136).

Consumer Product Safety Improvement Act of 2008 (CPSIA)

This product is not intentionally 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.

FDA Food Contact Status

This product has not been evaluated for compliance with the U.S. Federal Food, Drug and Cosmetics Act or the U.S. Food and Drug Administration regulations listed in Title 21 of the Code of Federal Regulations. If food contact compliance is required, please contact us at FTNSTPS@trinseo.com.

Europe Regulations

EU Food Contact

The composition of this product has not been assessed for use in contact with food according to the Commission Regulation (EU) 10/2011.

REACH

For information regarding REACH and SVHC (Substances of Very High Concern), please contact FTNSTPS@trinseo.com.

RoHS

This is to inform you that the above mentioned product, to the best of our knowledge, is not intentionally manufactured or formulated with the following substances listed in Article 4(1) of the EU Directive 2011/65/EC (RoHS (last amended by COMMISSION DELEGATED DIRECTIVE (EU) 2017/2102 of the European Parliament and of the Council of 15 November 2017)):

- Heavy metals (like cadmium, hexavalent chromium, lead and mercury)
- Polybrominated Biphenyls (PBB)
- Polybrominated Diphenyl Ethers (PBDE)

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- Bis(2-ethylhexyl) phthalate (DEHP)
- Butyl benzyl phthalate (BBP)
- Dibutyl phthalate (DBP)
- Diisobutyl phthalate (DIBP)

Therefore, the product listed above is in compliance with the requirements of Article 4.1 of the EU Directive 2011/65/EC. However, please be advised that we do not routinely analyze our materials for these substances.

WEEE

EU Directive 2012/19/EC (WEEE): Selective treatment of the waste (Article 8 and Annex VII). None of the substances listed in Annex II are intentionally added or used in the formulation of this product. Hydrocarbons (HC) are also listed in Annex II, and are the basic constituents of this polymer.



For more information on products, innovations, expertise, and other services available from Trinseo, visit www.trinseo.com, or contact us as indicated below.

PRODUCT STEWARDSHIP

Trinseo and its affiliated companies have a fundamental concern for all who make, distribute, and use their 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 so that appropriate steps may be taken to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Trinseo products – from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

CUSTOMER NOTICE

Customers are responsible for reviewing their manufacturing processes and their applications of Trinseo products from the standpoint of human health and environmental quality to ensure that Trinseo products are not used in ways for which they are not suitable. Trinseo personnel are available to answer questions and to provide reasonable technical support. Trinseo product literature, including safety data sheets, should be consulted prior to the use of Trinseo products. Current safety data sheets are available from Trinseo.

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Trinseo requests that customers refer to Trinseo's Medical Application Policy <http://www.trinseo.com/medical.htm> before considering the use of Trinseo products in medical applications. The restrictions and disclaimers set forth in that policy are incorporated by reference.

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