

MAGNUM™ 8391 MED HM88010057 ABS Resin Natural**Product Information****Allergens**

This product has been evaluated for the source of the raw materials used in its production. There are no raw materials, including additives, used that have their origin in peanuts, soybeans, milk, eggs, fish, shellfish, tree nuts and/or wheat or gluten. Based on this examination of the ingredients and their sources, this product is free of the specified known allergy stimulating food substances.

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)

This product is not intentionally manufactured or formulated with Bisphenol A (BPA), CAS# 80-05-7.

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 is derived from petroleum and inorganic source materials. None of the ingredients are genetically modified.

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), New Zealand - NZLoC (New Zealand Inventory of Chemicals), Philippines - PICCS (Philippine Inventory of Chemicals and Chemical Substances) and U.S. - TSCA (Toxic Substances Control Act).

Heavy Metals & 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.

Kosher

This product is not made under Kosher/Halal conditions.

Medical Grade

This product is a medical grade product which has been tested under ISO 10993. If biocompatibility data is required, please contact us at FTNSTPS@trinseo.com.

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.

Supersedes all versions prior to Effective Date
Effective Date: 9/22/2017

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.

- Acenaphthylene, CAS# 208-96-8
- Acenaphthene, 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
- Bromine or brominated compounds
 - 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
- Nickel 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 a chemical(s) known to the State of California to cause cancer. Please refer to the MSDS for additional information.

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. However, we do not analyze for these specific substances.

Please refer to the following link:

<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

When used unmodified for food contact applications, this resin complies with the Federal Food, Drug, and Cosmetic Act as a food contact substance as a result of a premarket food contact notification (FCN) with an effective date of April 18, 2015 under FCN 1525. This notification allows for use of this product as articles or components of rigid and semirigid containers intended for repeat use with all food types under Conditions of Use E through G as described in Table 2.

<http://www.fda.gov/Food/IngredientsPackagingLabeling/PackagingFCS/FoodTypesConditionsofUse/ucm109358.htm>

Acrylonitrile monomer extraction for the finished food-contact article shall not exceed 0.003 milligram/square inch when extracted at a time equivalent to initial batch usage utilizing food-simulating solvents and temperatures appropriate to the intended conditions of use, per method described in 21 CFR 181.32(b) or equivalent.

This product is not for use in contact with infant formula or breast milk as such uses were not included as part of the intended uses of this product.

The uses cited above are subject to good manufacturing practices and any limitations which are part of the notification and applicable regulations. The notification and regulations should be consulted for complete details.

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) 1028/2016 and 1029/2016 of April 19, 2016)):

- Heavy metals (like cadmium, hexavalent chromium, lead and mercury)
- Polybrominated Biphenyls (PBB)
- Polybrominated Diphenyl Ethers (PBDE)
- 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 VII are intentionally added or used in the formulation of this product. Hydrocarbons (HC) are also listed in Annex VII, 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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