

MAGNUM™ 555 Natural ABS Resin**Product Information****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, tree nuts, and/or wheat or gluten. This evaluation is based on information provided by our raw material and additive suppliers. Therefore, although we believe this product to be free of the specified known allergy stimulating food substances, we cannot guarantee this.

Animal Derived Components

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

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 does not contain any genetically modified materials.

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), Japan - ENCS (Existing and New Chemical Substances), Japan - ISHL (Industrial Safety and Health Law), 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

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.

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.

- Asbestos
- Azo colorants containing certain amines
 - o-anisidine (CAS # 90-04-0)
 - 2-naphthylamine (CAS # 91-59-8)
 - 3,3'-dichlorobenzidine (CAS # 91-94-1)
 - Biphenyl-4-ylamine (CAS # 92-67-1)
 - Benzidine (CAS # 92-87-5)
 - o-toluidine (CAS # 95-53-4)
 - 4-chloro-o-toluidine (CAS # 95-69-2)
 - 4-methyl-m-phenylenediamine (CAS # 95-80-7)
 - o-aminoazotoluene (CAS # 97-56-3)
 - 5-nitro-o-toluidine (CAS # 99-55-8)
 - 4,4'-methylene-bis-(2-chloroaniline) (CAS # 101-14-4)
 - 4,4'-methylenedianiline (CAS # 101-77-9)
 - 4,4'-oxidianiline (CAS # 101-80-4)
 - 4-chloroaniline (CAS # 106-47-8)
 - 3,3'-dimethoxybenzidine (CAS # 119-90-4)
 - 3,3'-dimethylbenzidine (CAS # 119-93-7)
 - 6-methoxy-m-toluidine (CAS # 120-71-8)
 - 2,4,5-trimethylaniline (CAS # 137-17-7)
 - 4,4'-thiodianiline (CAS # 139-65-1)
 - 4-methoxy-m-phenylenediamine (CAS # 615-05-4)
 - 4,4'-methylenedi-o-toluidine (CAS # 838-88-0)
 - 4-amino azobenzene (CAS # 60-09-3)



- A mixture of: disodium (6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)(1-(5-chloro-2-oxidophenylazo)-2-naphtholato)chromate(1-); trisodium bis(6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)-chromate(1-)

- Organostannic compounds

- Dibutyltin (DBT)
- Dioctyltin (DOT)
- Tributyltin oxide (TBTO)
- Tributyltin (TBT)
- Triphenyltin (TPT)

- Phthalates

- Butyl benzyl phthalate (BBP) (CAS # 85-68-7)
- Dibutylphthalate (DBP) (CAS # 84-74-2)
- Bis(2-ethylhexyl) phthalate (DEHP) (CAS # 117-81-7)
- Di-iso-decyl phthalate (DIDP) (CAS # 68515-49-1, 26761-40-0)
- Di-isononyl phthalate (DINP) (CAS # 28553-12-0, 68515-48-0)
- Di-n-octyl phthalate (DnOP) (CAS # 117-84-0)
- Diisobutyl phthalate (DIBP) (CAS # 84-69-5)
- Di-n-hexyl phthalate (DNHP) (CAS # 84-75-3)
- 1,2-Benzenedicarboxylic, di-C6-8-branched alkyl esters, C7-rich (DIHP) (CAS # 71888-89-6)
- 1,2-Benzenedicarboxylic, di-C7-11-branched and linear alkyl esters (DHNUP) (CAS # 68515-42-4)
- Bis(2-methoxyethyl) phthalate (DMEP) (CAS # 117-82-8)
- n-Pentyl-isopentylphthalate (CAS # 84777-06-0)
- Di-n-pentyl phthalate (DPP) (CAS # 131-18-0)
- Diisopentylphthalate (DIPP) (CAS # 605-50-5)
- Monomethyl-dibromo-diphenyl methane bromobenzylbromotoluene, mixture of isomers (DBBT) (CAS# 99688-47-8)
- Monomethyl-dichloro-diphenyl methane (Ugilec 121)
- Monomethyl-tetrachloro-diphenyl methane (Ugilec 141) (CAS # 76253-60-6)
- Polychlorinated biphenyls (PCBs)
- Polychlorinated terphenyls (PCTs)
- Tris(aziridinyl)phosphin oxide (TEPA) (CAS# 545-55-1)
- Tris (2,3-dibromopropyl) phosphate (TRIS) (CAS# 126-72-7)
- Tris (aziridinyl) phosphin oxide (CAS # 545-55-1)
- Tri-o-cresyl phosphate (CAS # 78-30-8)
- Tris(2-chloroethyl) phosphate (CAS # 115-96-8)



- Tris (1,3-dichloro-2-propyl) phosphate (CAS # 13674-87-8)
- Tris(2-chloro-1-methylethyl) phosphate (CAS # 13674-84-5)
- Polycyclic Aromatic Hydrocarbons (PAHs)
 - Acenaphthylene (CAS # 208-96-8)
 - Acenaphthene (CAS # 83-32-9)
 - Anthracene (CAS # 120-12-7)
 - Benzo[a]anthracene (CAS # 56-55-3)
 - Benzo[a]phenanthrene or chrysene (CAS # 218-01-9)
 - Benzo[a]pyrene (CAS # 50-32-8)
 - Benzo[b]fluoranthene (CAS # 205-99-2)
 - Benzo[e]pyrene (CAS # 192-97-2)
 - Benzo[g,h,i]perylene (CAS # 191-24-2)
 - Benzo[j]fluoranthene (CAS # 205-82-3)
 - Benzo[k]fluoranthene (CAS # 207-08-9)
 - Benzo[j,k]fluorene or fluoranthene (CAS # 206-44-0)
 - Dibenzo[a,h]anthracene (CAS # 53-70-3)
 - Fluorene (CAS # 86-73-7)
 - Indeno[1,2,3-cd]pyrene (CAS # 193-39-5)
 - Naphthalene (CAS # 91-20-3)
 - Phenanthrene (CAS # 85-01-8)
 - Pyrene (CAS # 129-00-0)
- Dimethylfumarate (DMF) (CAS # 624-49-7)
- Pentachlorophenol (PCP) (CAS # 87-86-5)
- 1,2,4-Trichlorobenzene
- Formaldehyde (CAS # 50-00-0)
- Lead and its compounds
- Ozone depleting substances (ODS)
- Perfluorooctane sulfonates (PFOS) and PFOS salts
- Perfluorooctanic acid (PFOA) and esters
- Sulfur hexafluoride
- Polychlorinated and polybrominated dioxins and furans
- Radioactive substances
- Polychlorinated naphthalenes
- Short-chain chlorinated paraffins,C10-13 (SCCPs)



- Nonylphenols and Nonylphenol ethoxylates
- Antimony and its compounds
- Antimony trioxide
- Arsenic and its compounds
- Beryllium and beryllium oxide
- Nickel and its compounds
- Brominated flame retardants
- Chlorinated flame retardants
- Polyvinyl chloride (PVC) and PVC blends
- Fluorinated greenhouse gases
 - Perfluorocarbon (PFC)
 - Hydrofluorocarbon (HFC)
 - Sulfuric fluoride (CAS # 2551-62-4)
- Hexabromocyclododecane (HBCDD)
- Natural Rubber Latex (CAS # 9006-04-6)
- 2-(3',5'-Di-tert-butyl-2'-hydroxyphenyl)benzotriazole (CAS# 3846-71-7)
- Perchlorates
- Bisphenol-A (CAS # 80-05-7)

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 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, with the exception of Bisphenol A (BPA) (CAS# 80-05-7) listed under Batch 2 Challenge Substances. Please be advised that 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

Food Additive Regulation U.S. FDA 21 CFR 181.32 provides for the use of acrylonitrile copolymers, such as this resin, as articles or components of articles intended for use in contact with food with certain prescribed conditions. An important condition is that tests be performed using the finished food-contact article in order to determine acrylonitrile monomer extraction.

In the case of repeated-use articles, the limitation of acrylonitrile extraction for finished food-contact articles is 0.003 mg/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.

Extraction studies using laboratory test specimens exposed to food simulating solvents have been conducted. We have concluded that this resin will comply with 21 CFR 181.32(a)(3)(i) when used in rigid and semi-rigid food-contact articles intended for repeated use applications and at temperatures below 212° F.

The uses cited above are subject to good manufacturing practices and any limitations, which are part of the regulations. The 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/SVHC

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



RDS - MAGNUM™ 555 Natural ABS Resin

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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