

PRODUCT REGULATORY GUIDANCE SHEET

This document summarizes compliances with related global regulations.

Polypropylene Homopolymer

Issuance date: 30 January 2024

PRefChem Petrochemical Grade (Revision 3)	PCML-equivalent grade
PH404	H456JY

COUNTRY OF ORIGIN

This product is manufactured by:

Pengerang Petrochemical Company Sdn. Bhd.
First Floor, Administration Block A2,
Pengerang Integrated Complex Management Office (PICMO),
81600 Pengerang, Johor,
Malaysia

COMPOSITION

Kindly find the information herewith is applicable to the products produced in our manufacturing facilities only. Any additional formulation (e.g. additive, pigment, masterbatch etc.) used by third party (e.g. polymer converters, end users, etc.) is not considered.

Chemical name : Polypropylene (CAS No 9003-07-0)

Composition : Polypropylene >99%

Additives and/or stabilizers : <1%

FOOD CONTACT DECLARATION

EUROPEAN UNION (EU) FOOD CONTACT

This grade complies with the relevant requirements of Framework Regulation 1935/2004/EC, Plastic Regulation 10/2011/EC and Regulation (EC) No. 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food as amended, applicable to intermediate materials. The monomers and additives used to produce this grade are listed in the Union List of Authorized Substances of Regulation 10/2011/EC and subsequent amendments.

The monomer and additives used are not subjected to restriction and not applicable to Specific Migration Limit (SML). This grade does not release substances exceeding the SML as specified in Annex II of the regulation and its amendments.

U.S. FOOD AND DRUG ADMINISTRATION (FDA)

This grade may be used as articles or components of articles intended for use in contact with food as they are in compliance with U.S. Food & Drug Administration – Code of Federal Regulation (CFR) Title 21 Part 177 Subpart B – 177.1520 Olefin polymers (a)(1)(i). The neutralizer(s) and antioxidant(s) used comply with CFR Title Part 178 Subpart C – 178.2010 antioxidants and/or stabilizers for polymers (b).

This grade has been tested for its compliances under 21 CFR 177.1520 (c) 1.1a Polypropylene consists of basic polymers manufactured by the catalytic polymerization of propylene.

CHINA GB FOOD CONTACT

This grade complies with the relevant requirements of Standard GB 4806.1-2016 (General Safety Requirements for Food Contact Materials & Articles), Standard GB 4806.6-2016 (Plastic Resin Standard) and General Hygiene Norm GB 31603-2015.

The additives used in the formulation comply with the requirement of GB9685-2016 National Food Safety Standard: Additives for use in Food Contact Materials and Articles. No monomer(s) and additives with Specific Migration Limit (SML), Max Residual (QM) and/or Total Specific Migration Limit (SML (T)) are used in this grade.

JAPAN FOOD CONTACT COMPLIANCE – POSITIVE LIST OF SUBSTANCES

This is to inform that the base polymer, monomers, and additives of this grade are listed in the latest official version of Positive List as part of the “Partial revision of the standards for foods, additives, etc. published by Japan’s Ministry of Health, Labour and Welfare (MHLW) through Notification No. 196 of 2020 on April 28, 2020.

Since such substances listed in Japan’s MHLW Positive List are selected based on information available at present time, further amendment may be expected.

GLOBAL REGULATORY INFORMATION

EU REACH

According to the REACH regulation, polymers are exempted from registration. However, the monomer unit(s) and any other substances which are present in 1 ton/year or greater require a registration. In relation to this, our appointed Only Representative (OR); Intensive Energy Sdn. Bhd., has successfully registered monomers with details as follows:

No	Monomer	CAS number	Registration number
1	Propylene	115-07-1	01-2119447103-50-0366

Substances that are only used as additives in polymers may be exempted from registration under REACH, provided that they are not hazardous on their own or as part of the polymer, are not released from the polymer under normal or reasonably foreseeable conditions of use, and do not exceed a total quantity of 2% by weight in the polymer of polymer.

TURKEY KKDIK

According to the KKDIK regulation, polymers are exempted from registration. However, the monomer unit(s) and any other substances which are present in 1 ton/year or greater require pre-registration and subsequently full registration. In relation to this, our appointed Only Representative (OR); Intensive Energy Sdn. Bhd., has successfully registered monomers with details as follows:

No	Monomer	CAS number	Pre-registration number
1	Propylene	115-07-1	05-0000459806-37-0000

Substances that are only used as additives in polymers may be exempted from registration under KKDIK, provided that they are not hazardous on their own or as part of the polymer, are not released from the polymer under normal or reasonably foreseeable conditions of use, and do not exceed a total quantity of 2% by weight in the polymer of polymer.

SUBSTANCES OF VERY HIGH CONCERN (SVHC)

This grade does not contain or use chemical substances listed under Annex XVII to REACH, substances restricted and candidate list of Substances of Very High Concern for Authorisation (list as of 23 January 2024 contains 240 entries for chemicals). However, no assessment has been conducted for raw materials or end product since such substances were not generated and were not expected to be present in the process.

RESTRICTION OF HAZARDOUS SUBSTANCE (RoHS)

This product complies to the directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, as amended. Restricted substances as listed in Annex II of the Directive.

COALITION OF NORTHEASTERN GOVERNORS (CONEG)

This grade meets heavy metals requirement as described in CONEG model toxics in packaging legislation, as amended.

EUROPEAN DIRECTIVE 94/62/EC: PACKAGING AND PACKAGING WASTE

This grade meets heavy metals requirement as described in European Council Directive 94/62/EC on Packaging and Packaging Waste, as amended.

JAPAN's REGULATIONS

This grade complies with the following Japan's regulations requirements:

1. Chemical Substances Control Law & Industrial Safety and Health Act: New Chemical Substances
2. Industrial Safety and Health Act: Chemical Substances Requiring Labelling and Delivery of Documents, etc.

This grade does not contain or use chemical substances under Japan's chemicals regulated lists as follows:

1. Chemical Substances Control Law: Class I Specified Chemical Substances
2. Chemical Substances Control Law: Class II Specified Chemical Substances
3. Chemical Substances Control Law: Monitoring Chemical Substances
4. Chemical Substances Control Law: Priority Assessment Chemical Substances
5. Chemical Weapons Prohibition Law: Specific Chemicals
6. Industrial Safety and Health Act: Prohibition of Manufacturing, etc.
7. Industrial Safety and Health Act: Requiring permission of Manufacture, etc
8. Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof: Specific Chemicals
9. Poisonous and Deleterious Substances Control Act: Poisonous and Deleterious Substances
10. Poisonous and Deleterious Substances Control Act: Specified Poisonous Substances

BIOCIDAL PRODUCT REGULATION (EU) (BPR)

This grade does not use any chemical substances that are listed under Regulation (EU) No 528/2012, and its subsequent amendments. This applies particularly to substances or mixtures in the form in which they are provided to the end-user., consisting of, containing or generating one or more active substances, with the intention of destroying, deterring, rendering harmless, preventing the action of, or otherwise exerting a controlling effect on, any harmful organism by any means other than mere physical or mechanical action.

ANIMAL DERIVED CONTENT

This grade does not contain or use animal derived components and expected to be free from Bovine Spongiform Encephalopathy (BSE) / Transmissible Spongiform Encephalopathy (TSE).

GENETICALLY MODIFIED ORGANISM (GMO)

This grade does not contain or use genetically modified organism in its formulation.

FOOD ALLERGENS

This grade does not contain or use food allergens materials as specified in Annex II of Regulation (EU) No. 1169/2011 and its amendments.

USE OF NANO MATERIALS

This grade does not use nanomaterials in its formulation.

EPOXY DERIVATIVES

This grade does not contain Bisphenol A Diglycidyl Ether (BADGE), Bisphenol F Diglycidyl Ether (BFDGE) and Novolac Glycidyl Ether (NOGE). As referenced in Commission Regulation 1895/2005/EC, these substances, to the best of our knowledge, are not intentionally added in this product on the use of certain epoxy derivatives in materials and articles intended to come into contact with foodstuffs as plasticizers, additives or raw materials.

HALAL CERTIFICATION

This grade is produced in accordance with Halal guiding principles as follows:

- The product does not comprise or contain any human parts or ingredients derived from there of;
- The raw material or ingredient used in product do not comprise or contain any parts or substances derived from animals,
- The raw material or ingredient used in product do not comprise or contain alcohol or alcohol-based substance,
- The product is not prepared, processed, manufactured, or stored using any equipment that is contaminated with things that are forbidden according to *Syari'ah* law,
- The product produced does not harm consumer or user.

However, this product is not Halal and Kosher certified.

REGULATION (EU) No. 1382/2014 ON DUAL USE ITEMS

This grade does not contain or use dual use items as specified in Regulation (EU) No. 1382/2014 in its formulation.

CALIFORNIA PROPOSITION 65

As set forth in the latest Proposition 65 chemicals listing dated 29 December 2023, chemical substances listed under the Chemicals Known to State to Cause Cancer or Reproductive Toxicity, California Proposition 65 are not intentionally used in the manufacturing or formulation of this product.

MONTREAL PROTOCOL

None of the prohibited substances listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer (as amended), is used as an additive or raw material in the manufacture of this grade.

LIVING BUILDING CHALLENGE RED LIST

This grade does not contain or use chemical substances as listed in the Living Building Challenge Red List as of April 2023.

SUBSTANCES OF CONCERN

This grade does not contain the chemical substances as listed below as they are not intentionally added nor expected to be present in the process.

No.	Chemical Substance Name
1	<u>Conflict Minerals</u> -Tin -Tungsten -Tantalum -Gold

Open

2	<u>Alkylphenols and derivatives</u> - Octylphenol ethoxylates (CAS No. 9036-19-5, 9002-93-1, 68987-90-6) - Nonylphenol ethoxylates (CAS No. 9016-45-9, 26027-38-3, 68412-54-4, 104-35-8, 20427-84-3,) - Nonylphenoxypolyethoxyethanol (CAS No. 127087-87-0) - Octamethylcyclotetrasiloxane (CAS No. 556-67-2) - Polyoxyethylene lauryl ether (CAS No. 9002-92-0)
3	<u>Nonyl Phenols</u> - Tris(nonylphenyl) Phosphite (CAS No. 26523-78-4) - n-Nonylphenol (mixed isomers) (CAS No. 104-40-5, 25154-52-3, 84852-15-3) - Octyl phenol (CAS No. 27193-28-8, 140-66-9, 1806-26-4)
4	<u>Azodye / azo colourants which form one of the aromatic amines</u> - 4-Aminodiphenyl (CAS No. 92-67-1) - Benzidine (CAS No. 92-87-5) - 4-Chloro-o-Toluidine (CAS No. 95-69-2) - 2-Naphthylamine (CAS No. 91-59-8) - o-Aminoazotoluene (CAS No. 97-56-3) - 2-Amino-4-nitrotoluene (CAS No. 99-55-8) - p-Chloroaniline (CAS No. 106-47-8) - 2,4-Diaminoanisole (CAS No. 615-05-4) - 4,4 – Diaminodiphenylmethane (4,4 MDA) (CAS No. 101-77-9) - 3,3'-Dichlorobenzidine (CAS No. 91-94-1) - 3,3-Dimethoxybenzidine (CAS No. 119-90-4) - 3,3'-Dimethylbenzidine (CAS No.119-93-7) - 3,3'-Dimethyl-4,4'-diaminodiphenylmethane (CAS No. 838-88-0) - p-Cresidine (CAS No.120-71-8) - 4,4'- Methylene bis(2-chloraniline) (CAS No. 101-14-4) - 4,4 Oxydianiline (CAS No. 101-80-4) - 4,4' – Thiodianiline (CAS No. 139-65-1) - o-Toluidine (CAS No. 95-53-4) - 2,4 – Toluenediamine (2,4 TDA) (CAS No. 95-80-7) - 2,4,5-Trimethylaniline (CAS No.137-17-7) - 2-Methoxyaniline (=o-Anisidine) (CAS No. 90-04-0) - 4-Aminoazobenzene (CAS No. 60-09-3)
5	<u>Adipates</u> - Di- or Bis(2-ethyl hexyl) adipate / Dioctyl adipate (DEHA or DOA) (CAS No.103-23-1) - Dibutyl adipate (CAS No.105-99-7) - Di-n-octyl adipate (CAS No. 123-79-5) - Diethyl adipate (CAS No. 141-28-6) - Diisobutyl adipate (CAS No. 141-04-8)
6	<u>Acrylates</u> - Butanediol Diacrylate (BDDA) (CAS No. 1070-70-8) - Diethylene glycol diacrylate (DEGDA) (CAS No. 4074-88-8) - Isodecyl acrylate (IDA) (CAS No. 1330-61-6) - Octyl acrylate (ODA) (CAS No. 2499-59-4) - Phenoxy ethyl acrylate (CAS No. 48145-04-6) - Trimethylol propane triacrylate (TMPTA) (CAS No. 15625-89-5) - Dipropylene glycol diacrylate (DPGDA) (CAS No. 57472-68-1)

	-1,6 Hexanediol diacrylate (HDDA) (CAS No. 13048-33-4) -2-Ethyl hexyl acrylate (2EHA) (CAS No. 103-11-7) -Mixtures of pentaerythritol tri- and tetra-acrylates (PETA) (CAS No. 3524-68-3) -Tetraethylene glycol diacrylate (TEGDA) (CASA No. 17831-71-9)
7	<u>Acrylonitrile</u> -Acrylonitrile (CAS No. 107-13-1) -Polyacrylonitrile (CAS No. 25014-41-9)
8	<u>Benzophenone and its derivatives</u> -2-hydroxybenzophenone (CAS No. 117-99-7) -3-hydroxybenzophenone (CAS No. 13020-57-0)
9	<u>Bisphenols</u> -Bisphenol A (BPA) (CAS No. 80-05-7) -Bisphenol F (BPF) (CAS No. 620-92-8) -Bisphenol S (BPS) (CAS No. 80-09-1)
10	<u>Brominated flame retardants</u> -Polybrominated biphenyls (PBBs) (CAS No. 5953-65-1) -Polybrominated diphenyl ether (PBDEs) (CAS No. 32534-81-9) -Tetrabromobisphenol-A (TBBA, TBBPA) -Other Brominated flame retardants
11	<u>Chlorinated flame retardants</u> -Tris(1-chloro-2-propyl) phosphate (CAS No. 13674-84-5) -Tris(2,3-dichloro-1-propyl) phosphate (CAS No. 66108-37-0) -Other Chlorinated flame retardants
12	<u>Chloroanisole</u> -2,4 – Dichloroanisole (CAS No. 553-82-2) -2,4,6 Trichloroanisole (CAS No. 87-40-1) -2,3,4,6 Tetrachloroanisole and other derivatives (CAS No. 938-86-3)
13	<u>Chlorophenols</u> -Pentachlorophenol (CAS No. 87-86-5) -2,4,5 –trichlorophenol (CAS No. 95-95-4) -6-chloro-O-cresol (CAS No. 87-64-9) and its derivatives
14	<u>Citrates</u> -Tributyl citrate (CAS No. 77-94-1) -Acetyltributyl citrate(ATBC) (CAS No. 77-90-7)
15	<u>Epoxy derivatives</u> -Bis (hydroxyphenyl) methane bis (2,3 epoxypropyl) ether (BFDGE) (CAS No. 39817-09-9) -Novolac glycidyl ethers (NOGE) -2,2-bis(4(hydroxyphenyl)propane bis(2,3 epoxypropyl) ether (BADGE) (CAS No. 1675-54-3) and some of its derivatives •2,3-dihydroxypropyl ether (BADGE, H₂O) (CAS No. 76002-91-0) •2,3-dihydroxypropyl ether (BADGE.2, H₂O) (CAS No. 5581-32-8) •3-chloro-2-hydroxypropyl glycidyl (BADGE.2 HCL) (CAS No. 4809-35-2) •(3-chloro-2-hydroxypropyl) – 2,3-dihydroxypropyl ether (BADGE. H₂O.HCL) (CAS No. 227947-06-0)
16	<u>Epoxy Silanes</u> -Glycidyl 3-(trimethoxysilyl)propyl ether, GLYMO (CAS No. 2530-83-8) -3-(glycidyloxopropyl) triethoxysilane, GLYEO (CAS No. 2602-34-8)

17	<u>Mineral Oil</u> - Mineral oil aromatic hydrocarbons (MOAH) - Mineral Oil saturated hydrocarbons (MOSH)
18	<u>Polychlorinated compounds</u> - Polychlorinated biphenyls (PCBs) (all isomers and congeners) (CAS No. 1336-36-3) - Polychlorinated terphenyls (PCTs) (CAS No. 61788-33-8)
19	<u>PFAS</u> - Per- and Polyfluoroalkyl Substances (PFASs)
20	<u>Photo-initiators</u> - 2-Isopropyl thioxanthone (2-ITX) (CAS No. 5495-84-1) - 4-Isopropylthioxanthone (4-ITX) (CAS No. 83846-86-0) - Benzophenone (CAS No.119-61-9) - 2-Methyl benzophenone (CAS No.131-58-8) - 4-Methyl benzophenone (CAS No.134-84-9) - 2,4,6-trimethylbenzophenone (CAS No.954-16-5) - 2-(Dimethylamino)ethyl benzoate (CAS No. 2208-05-1) - 2-hydroxy 2-methyl propiophenone (CAS No. 7473-98-5) - 1-hydroxycyclohexyl phenylketone (CAS No. 947-19-3) - 2,2 Dimethoxy 2-phenyl acetophenone (CAS No. 24650-42-8) - 2-Methyl 4'-(methylthio) 2- morpholino- propiophenone (CAS No. 71868-10-5) - 2,4-Diethyl 9h-thioxanthen-9-one (CAS No. 82799-44-8) - Diphenyl (2,4,6-trimethyl benzoyl) phosphine oxide (CAS No. 75980-60-8) - 4-Hydroxybenzophenone (CAS No. 1137-42-4) - 4-methylbenzophenone (CAS No. 134-84-9) - 4,4 Tetramethyldiaminobenzophenone (CAS No. 90-94-8)
21	<u>Phthalates</u> - Butyl Benzyl Phthalate (BBP) (CAS No. 85-68-7) - Di-isobutyl Phthalate (DIBP) (CAS No. 84-69-5) - Diethyl Hexyl Phthalate (DEHP) (CAS No. 117-81-7) - Di-butylphthalate (DBP) (CAS No. 84-74-2) - Di-isononyl phthalate (DINP) (CAS No. 28553-12-0 / 68515-48-0) - Diethyl phthalate (DEP) (CAS No. 84-66-2) - Di-iso-octyl phthalate (DIOP) (CAS No. 27554-26-3) - Di-iso-decyl phthalate (DIDP) (CAS No. 26761-40-0) - Dicyclo-hexyl phthalate (DCHP) (CAS No. 84-61-7) - Di-methyl-cyclo-hexyl phthalate (DMCHP) (CAS No. 1322-94-7) - Di-methoxyl-ethyl-phthalate (DMEP) (CAS No. 117-82-8) - Dimethyl phthalate (DMP) (CAS No. 131-11-3) - Diallyl phthalate (CAS No. 131-17-9) - Dioctyl phthalate (DNOP) (CAS No. 117-84-0) - Diphenyl phthalate (DPP) (CAS No. 131-18-0) - Di-n-nonyl phthalate (DNP) (CAS No. 84-76-4) - Di-(2-butoxyethyl) phthalate (DBEP) (CAS No. 117-83-9) - others
22	<u>Polycyclic aromatic hydrocarbons (PAHs)</u> - Anthracene (CAS No. 120-12-7) - Benz(a)anthracene (CAS No. 56-55-3) - Benzo(a) pyrene (CAS No. 50-32-8)

	-Benzo(b)fluoranthene (CAS No. 205-99-2) -Benzo(e) pyrene (CAS No. 192-97-2) -Benzo(ghi)perylene (CAS No. 191-24-2) -Benzo(j)fluoranthene (CAS No. 205-82-3) -Benzo(k)fluoranthene (CAS No. 207-08-9) -Chrysene (CAS No. 218-01-9) -Dibenzo(a,h)anthracene (CAS No. 53-70-3) -Acenaphthene (CAS No.83-32-9) -Acenaphthylene (CAS No. 208-96-8) -Fluoranthene (CAS No. 206-44-0) -Naphthalene (CAS No. 91-20-3) -Pyrene (CAS No. 129-00-0) -Anthraquinone (CAS No. 84-65-1)
23	<u>Polyvinyl Chloride and its copolymers</u> -Poly Vinyl Chloride (CAS No. 9002-86-2) and PVC blends -Polyvinylidene Chloride (PVDC) (CAS No. 9002-85-1) -PVC Copolymers -Other Polyvinyl chlorides
24	<u>Sebacates</u> -Dimethyl sebacate (CAS No. 106-79-6) -Diethyl sebacate (CAS No. 110-40-7) -Dibutyl sebacate (CAS No. 109-43-3) -Di-or Bis(2-ethyl hexyl) sebacate / Dioctyl sebacate ((CAS No. 122-62-3)
25	<u>Solvents</u> -methyl-2-pyrrolidinone (CAS No. 872-50-4) -2-Methoxyethanol (Methyl glycol) (CAS No. 109-86-4) -2-Ethoxyethanol (Ethyl glycol) (CAS No. 110-80-5) -Monochlorobenzene (CAS No. 108-90-7) -Toluene (CAS No. 108-88-3) -Methanol (CAS No. 67-56-1) -Phenol (CAS No. 108-95-2) -Cyclohexane (CAS No. 110-82-7) -Methyl Ethyl Ketone (MEK) (CAS No. 78-93-3) -Methyl Isobutyl Ketone (MIBK) (CAS No. 108-10-1) -Hexanol (CAS No. 111-27-3) -2-Ethyl-1-hexanol (CAS No. 104-76-7) -N-octanol (CAS No. 111-87-5) -Butyl glycol (CAS No. 111-76-2) -Hexylene glycol (CAS No. 107-41-5) -Butoxypropanol (CAS No. 5131-66-8) -Butoxy propoxy propane propanol (CAS No. 29911-28-2) -Ethanediol (CAS No. 107-21-1) -Diethylene glycol (CAS No. 111-46-6) -Triethylene glycol (CAS No. 112-27-6) -Butyl glycol acetate (CAS No. 112-07-2) -1-methoxy-2-propylacetate (CAS No. 108-65-6) -Ethylbenzene (CAS No. 100-41-4) -1-Pentanol (CAS No. 71-41-0) -Ethyl diglycol (CAS No. 111-90-0)

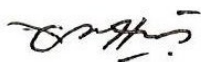
	-Butyl diglycol (CAS No. 112-34-5)
26	<u>Regulation 1272/2008/EC Annex VI</u> -Butylated hydroxyl anisole (BHA) (CAS No. 25013-16-5) -Triclosan (CAS No. 3380-34-5) -Vinyl chloride monomer (VCM) (CAS No. 75-01-4) -2-(3,5-Di-tert-butyl-2-hydroxyphenyl)benzotriazole (CAS No. 3846-71-7) -2-Ethylhexanoic Acid (2-EHA) (CAS No. 149-57-5)
27	<u>Organotin derivatives</u> -Dibutyltin (DBT) -Tributyltin (TBT) -Monobutyltin (MBT) -Alkyltin -Other organotin compounds
28	<u>Others</u> -Asbestos (CAS No. 1332-21-4) -Azodicarbonamide (CAS No. 123-77-3) or semi-carbazide compounds -Acrylamide (CAS No. 79-06-1) -Biocides and fungicides including Dimethyl fumarate (EU Commission Decision 2009/251/EC), paraben -Benzene (CAS No. 71-43-2) -Butylated hydroxy anisole (BHA) (CAS No. 25013-16-5) -Butylated hydroxy toluene (BHT) (CAS No. 128-37-0) -Bromoanisoles (CAS No. 104-92-7, 2398-37-0, 578-57-4) -Cellulose acetate (CAS No. 9004-35-7) -Colophonium and its derivatives -Cyanuric acid (CAS No. 108-80-5) -Di-Cyan-diamide (CAS No. 461-58-5) -Dioxins (CAS No. 1746-01-6) and furans -Dyes or pigments -Endocrine disruptors Epichlorohydrin (CAS No. 106-89-8) -Epoxidised soya bean oil (ESBO) (CAS No. 8013-07-8) -Ethanol (CAS No. 64-17-5) -Ethylene oxide (CAS No. 75-21-8) -2-Ethylhexyl-4-Dimethylaminobenzoate (CAS No. 21245-02-3) -2,4-di-tert-butylphenol (CAS No. 96-76-4) -Hexachlorobenzene (CAS No. 118-74-1) -Food colors -Formaldehyde base -Fragrances -Global Automotive Declarable Substance List (GADSL) as amended -Halogen -Heavy metals (Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Gold, Hexavalent chromium, Lead, Mercury, Molybdenum, Nickel, Palladium, Selenium, Silver, Tantalum, Thallium, Tin, and Vanadium) -Herbicides/pesticides -Isocyanates -Latex -Melamine (CAS No. 108-78-1) -2-Mercaptobenzothiazole (MBT) (CAS No. 149-30-4)

	- Natural rubber or Natural rubber Latex (CAS No. 9006-04-6) - Perfluorooctanoic acids (PFOA) (CAS No. 335-67-1) - Perfluorooctanoic sulfonates (PFOS) (CAS No. 1763-23-1) - Persistent organic pollutants (POP) (Regulation EC/850/2004 and its amendments) - Radioactive substances - Silicone - Silver - Sulfur dioxide (CAS No. 7446-09-5) - Surfactant/detergent - Styrene (CAS No. 57-56-7) & Polystyrene (CAS No. 9003-53-6) - Talc - Tertbutylhydroxyquinone (TBHQ) (CAS No. 1948-33-0) - Titanium acetyl acetonate (TAA) (CAS No. 17501-79-0) & 2,4-Pentanedione (CAS No. 123-54-6) - Xylene mixture of isomers (CAS No. 1330-20-7) - Mono sodium glutamate (CAS No. 142-47-2) - Bromophenols derivatives - 2,2,4-Trimethyl-1,3-pentanediol (CAS No. 6846-50-0) - Di-isononyl-cyclohexane-1,2-dicarboxylate (CAS No. 166412-78-8) - Tricresyl phosphate (CAS No. 1330-78-5) - 2-Ethylhexyl diphenyl phosphate (CAS No. 1241-94-7) - N-Ethyl-p-toluenesulfonamide (CAS No. 80-39-7)
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Yours sincerely,



Herdawati Binti Munawar

Section Head

Product Stewardship & Product Development

Business & Services