

## SECTION 1: Global Chemical Inventory Status

This product and all components are listed on the following chemical inventories.

COUNTRY	NAME OF CHEMICAL INVENTORY	STATUS
United State	Toxic Substances Control Act Inventory (TSCA)	Listed
Canada	Domestic Substance List/Non- Domestic Substance List (DSL/NDSL)	Listed
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Listed (Exempted for polymer)
Japan	Japanese Existing and New Chemical Substances Inventory (ENCS/MITI)	Listed (Not listed for 1 chemical)
China	Chinese Chemical Inventory of Existing Chemical Substances (IECSC)	Listed
Korea	Korea Existing Chemicals Inventory (KECI)	Listed
Taiwan	Taiwan's national existing chemical inventory (NECI)	Listed
Australia	Australian Inventory of Chemical Substances (AICS)	Listed
New Zealand	New Zealand Inventory of Chemicals (NZIoC)	Listed
Philippines	Philippine Inventory of Chemicals and Chemical Substances(PICCS)	Listed
Vietnam	National Chemical Inventory (NCI)	Listed
Thailand	Thailand Existing Chemical Inventory (TECI)	Listed

## SECTION 2: Food Contact Compliance

- Regulation (EC) No 1935/2004 (Framework)**

TPE maintains the adequate records of purchase, sales, distribution and all stage manufacturing to fulfill the requirements of Traceability (Article 17).



## Declaration of Compliance

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**SCGC™ PP**

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- **European Union (EU) Food Contact – Commission Regulation (EU) No 10/2011**

This product meets the requirements for plastic materials and articles intended to come into contact with food as described in Commission Regulation (EU) No 10/2011 and its amendment (Commission Regulation (EU) No 1282/2011, 1183/2012, 202/2014, 2015/174, 2016/1416, 2017/752, 2018/79, 2018/831, 2019/37, 2019/1338, 2020/1245, 2023/1442 and 2023/1627).

Monomers and additives used to manufacture of this product are listed in "Union list of authorized substances" (Annex I) of this regulation. No Monomers and additives subject to restriction (Specific Migration Limit – SML) are used in manufacture of this product.

The overall migration under the conditions 10 days at 40°C (OM2), in the standard food simulants (A, B, C, D1, D2 and E) is less than 10 mg/dm<sup>2</sup> as the maximum overall migration from plastic materials and articles. The specific migration of heavy metal does not exceed their limits as well. This product should be used at temperature below 300 °C to prevent the degradation of product or unforeseeable conditions

- **US Food and Drug Administration (FDA)**

This product meets the FDA requirements contained in the Code of Federal Regulations in 21 CFR 177.1520 Olefin polymers (c) 1.1a Extraction limits of this specification were not exceeded.

- **Thailand Food Container and Packaging Materials**

This product meets the requirements of Thailand Industrial Standard for Polypropylene Resin regarding the food safety criteria (migration of substances from plastic materials) as tested by the methods specified in TIS 656 : standard methods of analysis for plastics used for food contact.

- **Japan Food Contact**

**PL Certificate**

This product is registered under Japan Chemical Innovation and Inspection Institute (JCII) with the Registration No. [A]PZar-15377-L , I c-1-P-Zar.



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### Japan Food Sanitation Act

Japanese Ministry of Health, Labor and Welfare (MHLW) published a formal Positive List (PL) System for food-contact materials (FCM) used in the manufacture of food-contact utensils, containers, and packaging (UCP) and amended in Japan Food Sanitation Act (Issued date November 30, 2023)

Polymer is listed on Table 1 (Base Materials) as “Polymer composed of alkenes as the main monomer” (Group 2). Additives in this product are either listed on Table 2 Additives and listed in unrefined natural substances, natural polymers, inorganic substances

The manufacturer of food-contact materials and articles made from or containing this product must ensure that the finished materials or articles meet the regulatory requirement under the Japan Food Sanitation Act.

### SECTION 3: Environmental Legislations

This product meets the relevant requirements of the following directives or regulations;

- Coalition of Northeastern Governors (CONEG): total incidental cadmium, chromium, lead and mercury less than 100 ppm.
- Directive 2011/65/EU (RoHS) on the restriction of the use of certain hazardous substances in electrical and electronic equipment : Cadmium less than 0.01% wt and Lead (Pb), Mercury (Hg), Hexavalent chromium (Cr6+), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) less than 0.1% wt.

### SECTION 4: REACH

#### • EU-REACH : Regulation (EC) No.1907/2006

Under REACH Regulation (EC) No 1907/2006 and its amendments, polymers are exempted from registration according to the provisions of Title II (Article 2(9)). However, monomers have to be registered, if they are part of the polymer for more than 2% and if they are produced or imported in a volume of more than 1 tpa.

At this stage, we already completed the registration for our monomer (Ethylene, But-1-ene and propene) through TPE's appointed Only Representative (OR) since 30 Nov 2010.



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Substance Name	CAS No.	EC No.	Registration No.
Ethylene*	74-85-1	200-815-3	01-2119462827-27-xxxx
But-1-ene	106-98-9	203-499-2	01-2119456615-34-xxxx
Propene*	115-07-1	204-062-1	01-2119447103-50-xxxx

\* is monomer for this product

In additions, there are no inclusions of Substances of Very High Concern (SVHC), as defined under REACH Regulation (EC) No 1907/2006, in the manufacturing process of our products, in a concentration above 0.1 %. The Candidate List of Substances of Very High Concern (SVHC) for authorization is available on ECHA's website; please use the following link:

<http://echa.europa.eu/web/guest/candidate-list-table>

### • UK-REACH

From January 1, 2021, the United Kingdom (UK) is no longer part of the European Union. Consequently, the EU REACH Regulation EC/1907/2006 no longer has jurisdiction in the UK. Accordingly, UK government has established its own independent chemicals regulatory framework, UK-REACH. To comply with UK REACH regulation, companies importing substances into Great Britain (GB) must submit a Downstream User Import Notification (DUIN) to Health and Safety Executive (HSE) by October 27, 2021. DUIN submission of the substances listed hereafter are completed through TPE's appointed Only Representative (OR). This will allow for a continued supply of our products into the GB market until the deadlines (2 - 6 years, depending on tonnage band and hazardous properties) set for registration under UK REACH.

Substance Name	CAS No.	EC No.	Registration No.
Ethylene*	74-85-1	200-815-3	UK-20-3526934878-1-0000
But-1-ene	106-98-9	203-499-2	UK-20-3526934878-1-0000
Propene*	115-07-1	204-062-1	UK-20-3526934878-1-0000

\* is monomer for this product

- **TURKEY-REACH (KKDIK)**

In order to comply with the Turkish KKDIK and SEA regulations, chemical substances that are placed on the Turkish market for above 1 tonne per year must be (pre)registered, and hazardous substances regardless of their volume must be notified respectively with the Turkish Ministry of Environment and Urbanization's (MoEU) Chemical Registration System (KKS).

The (pre)registration(s) and SEA notification(s) of the substances listed hereafter are completed under KKS as TPE's appointed Only Representative (OR).

Substance Name	CAS No.	EC No.	KKDIK Pre-Registration No.	SEA Notification No.
Ethylene*	74-85-1	200-815-3	05-0000375068- 49-0000	02-0000375259-08-0000
But-1-ene	106-98-9	203-499-2	05-0000375062- 73-0000	02-0000375259-08-0000
Propene*	115-07-1	204-062-1	05-0000375078- 78-0000	02-0000375256-20-0000

\* is monomer for this product

## SECTION 5: Substances of Concern

The following substances are not intentionally used in the manufacture or formulation of this product. However, this product has not been tested for those substances.

- **California Proposition 65**

We hereby confirm that we do not use the chemicals mentioned in The Proposition 65 List dated August 11<sup>th</sup>, 2023 (chemicals list that you can find at the following web address:

<https://oehha.ca.gov/proposition-65/proposition-65-list>).

- **Animal Derived Materials/Bovine Spongiform Encephalopathy (BSE)/Transmissible Spongiform Encephalopathy (TSE)**

Animal fats, oils, milk products or other animal- or tallow-derived products are not intentionally used in the manufacture or formulation of this product.

- **Antimicrobial agents/Fungicides/Pesticides**

Antimicrobial agents, fungicides or pesticides are not intentionally used in the manufacture or formulation of this product.

- **Food Allergens**

Food allergens (such as peanuts, lupine, soy/soybeans, carmine/cochineal, milk, eggs, fish, shellfish/crustacea, tree nuts, celery, sesame seeds, mustard, glutamites, glutamic acid, MSG or hydrolyzed vegetable proteins, nitrites or sulfites, or grains/cereals containing gluten substances) are not intentionally used in the manufacture or formulation of this product.

- **Bisphenol**

The following Bisphenol are not intentionally used in the manufacture or formulation of this product.

SUBSTANCES	CAS NO.
Bisphenol A	80-05-7
Bisphenol AP	1571-75-1
Bisphenol AF	1478-61-1
Bisphenol B	77-40-7
Bisphenol BP	1844-01-5
Bisphenol C	79-97-0
Bisphenol C 2	14868-03-2
Bisphenol E	2081-08-5
Bisphenol F	620-92-8
Bisphenol G	127-54-8
Bisphenol M	13595-25-0
Bisphenol S	80-09-1
Bisphenol P	2167-51-3
Bisphenol PH	24038-68-4
Bisphenol TMC	129188-99-4
Bisphenol Z	843-55-0
Dinitrobisphenol A	5329-21-5
Tetrabromobisphenol A	79-94-7



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- **Epoxy Derivatives**

Bisphenol A diglycidyl ether (BADGE), bisphenol F diglycidyl ether (BFDGE) and novolac glycidyl ether (NOGE) are not intentionally used in the manufacture or formulation of this product.

- **Dimethyl Fumarate (DMF)**

Dimethyl Fumarate is not intentionally used in the manufacture or formulation of this product.

- **Triclosan**

Triclosan (2,4,4'-trichloro-2'-hydroxydiphenyl ether) is not intentionally used in the manufacture or formulation of this product.

- **Asbestos**

Asbestos is not intentionally used in the manufacture or formulation of this product.

- **Azo Colorants/Pigments**

Azo colorants or other pigments are not intentionally used in the manufacture or formulation of this product.

- **Benzophenones, 4-methylbenzophenone and Hydroxybenzophenone**

Benzophenones, 4-methylbenzophenone and Hydroxybenzophenone are not intentionally used in the manufacture or formulation of this product.

- **Butylated hydroxyanisole (BHA) and Butylated hydroxytoluene (BHT)**

BHA and BHT are not intentionally used in the manufacture or formulation of this product.

- **Benzenamine, N-phenyl-, Reaction Products with Styrene and 2,4,4-Trimethylpentene (BNST)**

BNST is not intentionally used in the manufacture or formulation of this product.

- **Alkylphenols and Ethoxylates**

Alkylphenols, ethoxylates such as Nonylphenol (NP), Nonylphenol Ethoxylates (NPE) and Tris (nonylphenyl)phosphite (TNPP) or estrogen-mimicking compounds are not intentionally used in the manufacture or formulation of this product.

- **Formaldehyde**

Formaldehyde is not intentionally used in the manufacture or formulation of this product.

- **Melamine**

Melamine is not intentionally used in the manufacture or formulation of this product.

- **Eposidised soyabean oil (ESBO)**

Eposidised soyabean oil (ESBO) is not intentionally used in the manufacture or formulation of this product.

- **Primary Aromatic Amines (PAAs)**

Primary Aromatic Amines (PAAs) are not intentionally used in the manufacture or formulation of this product.

SUBSTANCES	CAS NO.	SUBSTANCES	CAS NO.
2,4-Diaminoanisole	615-05-4	2,4-Dimethylaniline	95-68-1
2,4-Toluenediamine	95-80-7	2,6-Dimethylaniline	87-62-7
4,4'-Oxydianiline	101-80-4	5-Chloro-2-methylaniline	95-79-4
Benzidine	92-87-5	2,6-Toluenediamine	823-40-5
4,4'- Diaminodiphenylmethane (MDA)	101-77-9	5-Amino-6-methyl-1,3-dihydro-2H-benzoimidazol-2-one	67014-36-2
o-Anisidine	90-04-0	4-Aminobenzamide	2835-68-9
o-Toluidine	95-53-4	3-Amino-4-methylbenzamide	19406-86-1
4,4'-Bi-o-toluidine	119-93-7	m-Anisidine	536-90-3
3,3'-Dimethoxybenzidine	119-90-4	m-Toluidine	108-44-1
4-Chloroaniline	106-47-8	4-Ethoxyaniline	156-43-4



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p-Cresidine	120-71-8	2-Ethoxyaniline	94-70-2
4-Chloro-o-toluidine	95-69-2	4-Chloro-3-methoxyaniline	13726-14-2
4-Aminobiphenyl	92-67-1	1,3-Diiminoisoindoline	3468-11-9
4,4'-Methylene-di-o-toluidine	838-88-0	3-Amino-4-methoxybenzanilide	120-35-4
4,4'-Thiodianiline	139-65-1	2,4,5-Trichloroaniline	636-30-6
2-Naphthylamine	91-59-8	4-Chloro-2,5-dimethoxyaniline	6358-64-1
3,3'-Dichlorobenzidine	91-94-1	2-Methoxy-4-nitroaniline	97-52-9
4,4'-Methylene-bis-(2-chloro-aniline)	101-14-4	5-Chloro-2-methoxyaniline	95-03-4
4-Aminoazobenzene	60-09-3	3-Chloroaniline	108-42-9
o-Aminoazotoluene	97-56-3	2-Chloroaniline	95-51-2
2,4,5-Trimethylaniline	137-17-7	Dimethyl 2-aminoterephthalate	5372-81-6
2-Methyl-5-nitroaniline	99-55-8	Biphenyl-2-ylamine	90-41-5
m-Phenylenediamine	108-45-2	2,5-Dichloroaniline	95-82-9
Benzoguanamine	91-76-9	2-Nitroaniline	88-74-4
4,4'-Methylenebis(3-chloro-2,6-diethylaniline)	106246-33-7	4-Aminotoluene-3-sulfonic acid	88-44-8
p-Toluidine	106-49-0	2-Aminonaphthalene-1-sulfonic acid	81-16-3
p-Phenylenediamine	106-50-3	2,4-Dinitroaniline	97-02-9
2-Methyl-4-nitroaniline	99-52-5	2-Chloro-4-nitroaniline	121-87-9
o-Phenylenediamine	95-54-5	Sum of Primary Aromatic Amines	-
1,5-Naphthalenediamine	2243-62-1	4,4'-Diaminodiphenyl sulfone	80-08-0
Aniline	62-53-3	2-Aminobenzamide	88-68-6

- **Phthalates**

The following phthalates are not intentionally used in the manufacture of or formulation of this product.

SUBSTANCES	CAS NO.
Butyl Benzyl Phthalate (BBP)	85-68-7
Dimethyl phthalate (DMP)	131-11-3
Di-n-propyl phthalate (DPP)	131-16-8
Di-n-butyl phthalate (DBP)	84-74-2
Diisobutyl phthalate (DIBP)	84-69-5
Di-n-pentyl phthalate (DNPP)	131-18-0
Di-n-hexyl phthalate (DNHP)	84-75-3
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7
Di-n-octyl phthalate (DNOP)	117-84-0
Diisooctyl phthalate (DIOP)	27554-26-3
Diisononyl phthalate (DINP)	28553-12-0
Diisodecyl phthalate (DIDP)	26761-40-0

- **Bis(2-ethylhexyl)adipate (DEHA)**

Bis(2-ethylhexyl)adipate (DEHA) is not intentionally used in the manufacture or formulation of this product.

- **Polycyclic Aromatic Hydrocarbons (PAHs)**

The following polycyclic aromatic hydrocarbons (PAHs) are not intentionally used in the manufacture of or formulation of this product.

SUBSTANCES	CAS NO.
1,2-dihydro-acenaphthene	83-32-9
acenaphthylene	208-96-8
9H-fluorene	86-73-7
anthracene	120-12-7
benz(a)anthracene	56-55-3
benzo(a)pyrene	50-32-8
benzo(b)fluoranthene	205-99-2
benzo(e)pyrene	192-97-2
benzo(ghi)perylene	191-24-2
benzo(j)fluoranthene	205-82-3
benzo(k)fluoranthene	207-08-9
chrysene	218-01-9
dibenz(a,h)anthracene	53-70-3
fluoranthene	206-44-0
fluorene	86-73-7
indeno(1,2,3-cd)pyren	193-39-5
naphthalene	91-20-3
phenanthrene	85-01-8
pyrene	129-00-0

- **Ozone Depleting Substance (ODS)**

Chlorofluorocarbons (CFC's) and substances related to ozone depleting substances (as defined by the MONTREAL PROTOCOL and listed as class I & II substances by the US Clean Air Act) are not intentionally used in the manufacture of or formulation of this product.



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- **Organotin Compounds**

Tributyl-tin (TBT), dibutyl-tin (DBT), monobutyl-tin (MBT), Triphenyltin (TPT), Tributyltin oxide (TBTO) or any other organo-tin compounds are not used in the manufacture of or the formulation of this product.

- **Perfluorocarbon**

Perfluorooctanic acid (PFOA), Perfluoroalkyl and Polyfluoroalkyl Substances (PFAs), or Perfluorooctane sulfonates (PFOs), Perfluoroalkyl carboxylic acids (PFCAs) substance in long chain PFAs list and their salts are not intentionally used in the manufacture or formulation of this product.

- **Halogenated Flame Retardants**

Polybrominated biphenyl (PBB), Polybrominated diphenyls (PBDE), Polychlorinated biphenyl (PCB), Polychlorinated terphenyls (PCT), Polychlorinated Naphthalene (PCN) and hexabromo cyclododecane (HBCDD) are not intentionally used in the manufacture of or formulation of this product.

- **Dioxins and Furans**

Dioxins and furans are not intentionally used in the manufacture of or formulation of this product.

- **Vinyl Chloride Monomer (VCM) and Polyvinyl Chloride (PVC)**

VCM and PVC are not intentionally used in the manufacture of or formulation of this product.

- **Styrene and Polystyrene (PS)**

Styrene and Polystyrene (PS) are not intentionally used in the manufacture of or formulation of this product.

- **Natural rubber or Latex**

Natural rubber or Latex are not intentionally used in the manufacture of or formulation of this product.



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- **Genetically Modified Organisms (GMOs)**

GMOs, genetic materials from GMOs, materials derived from GMOs, or any genetically modified ingredients are not intentionally used in the manufacture or formulation of this product.

- **Animal Derived Additives**

Animal Derived Additives are not intentionally used in the manufacture of or formulation of this product.

- **Isopropylthioxanthone (ITX)**

Isopropylthioxanthone (ITX) is not intentionally used in the manufacture or formulation of this product.

- **Conflict Minerals**

Gold (Au), Tantalum (Ta), Tin (Sn) and Tungsten (W) are not intentionally used in the manufacture of or formulation of this product.

- **Radioactive Substances**

Radioactive Substances are not intentionally used in the manufacture of or formulation of this product.

- **Recycled Materials**

Recycled Materials are not intentionally used in the manufacture of or formulation of this product.

- **MOSH (Saturated hydrocarbon of mineral oil) and MOAH (Aromatic Hydrocarbon of Mineral Oil)**

MOSH (Saturated hydrocarbon of mineral oil) and MOAH (Aromatic Hydrocarbon of Mineral Oil) are not intentionally used in the manufacture or formulation of this product.

- **Dechlorane plus**

Dechlorane plus is not intentionally used in the manufacture or formulation of this product.

- **Mica**

Mica is not intentionally used in the manufacture or formulation of this product.



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- **Medium-chain Chlorinated Paraffins (MCCP) and Short-chain Chlorinated Paraffins (SCCP)**

Medium-chain Chlorinated Paraffins (MCCP) and Short-chain Chlorinated Paraffins (SCCP) are not intentionally used in the manufacture or formulation of this product.

### SECTION 6: Other standards

- **US Pharmacopoeia**

This product is not certified to US Pharmacopoeia requirements.

- **European Pharmacopoeia**

This product is not certified to European Pharmacopoeia requirements.

- **Halal**

We cannot certify this product to be Halal or in compliance with Halal requirements. However, this product does not use any animal derive materials

- **Kosher**

We cannot certify this product to be Kosher or in compliance with Kosher requirements. However, this product does not use any animal derived materials

**SECTION 7: Expiry Date**

The expiry date of this product is up to 2 years from manufacturing date under original closed containers and proper storage conditions. Product should be stored in dry, dust free and well-ventilated area at temperature below 50°C, avoided from ignition source, direct sunlight, high temperature and high humidity.

In the name of Thai Polyethylene Co., Ltd.



Prapipit Kitchanachai

QA&QC Department Manager

*This certificate will be updated when appropriate. Therefore, we recommend the customers to ask for a new declaration periodically. It is the responsibility of the customer to check compliance of the final articles with the relevant legislation and applicable regulatory requirements including their restrictions.*

For further information, please contact QA&QC Department.

Contact Person : Mrs. Rungtip Lertmunkong

Email : Rungtile@scg.com

Tel. : (66) 38-683393 ext. 2411

**Disclaimer:**

- The Applications specified herein is for reference only.
- It is customer's responsibilities to inspect and test the product for suitability of the customer's own use and purpose. The customer is responsible for appropriate, safe, legal use, processing and handling of the product.
- To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication. We however do not assume any liability whatsoever for the accuracy and completeness of the information contained herein.
- We make no warranties which extend beyond the description herein. Nothing herein shall constitute any implied warranty of merchantability or fitness for a particular purpose.
- No liability can be accepted in respect of the use of the product in conjunction with other materials. The information contained herein relates exclusively to the product when it is not used in conjunction with any third party's materials.