

# REGULATORY DATA SHEET



## YUPLENE BH3820

### Chemical compulsory regulations

Section	Details																																			
<b>1. Product Composition</b>	<table border="1"> <thead> <tr> <th style="background-color: #1a3d4d; color: white;">Component</th> <th style="background-color: #1a3d4d; color: white;">CAS</th> <th style="background-color: #1a3d4d; color: white;">Portion</th> </tr> </thead> <tbody> <tr> <td>Ethylene propylene copolymer</td> <td>9010-79-1</td> <td>&gt; 99 wt%</td> </tr> <tr> <td>Non-hazard additive mixture</td> <td>-</td> <td>&lt; 1 wt%</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>			Component	CAS	Portion	Ethylene propylene copolymer	9010-79-1	> 99 wt%	Non-hazard additive mixture	-	< 1 wt%	-	-	-																					
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<b>2. Chemical Inventory Status</b>	<table border="1"> <thead> <tr> <th style="background-color: #1a3d4d; color: white;">Country</th> <th style="background-color: #1a3d4d; color: white;">List name</th> <th style="background-color: #1a3d4d; color: white;">Status</th> </tr> </thead> <tbody> <tr> <td>USA</td> <td>TSCA</td> <td>Active</td> </tr> <tr> <td>Canada</td> <td>DSL/NDSL</td> <td>DSL</td> </tr> <tr> <td>Europe</td> <td>EINECS</td> <td>Listed</td> </tr> <tr> <td>Australia</td> <td>AICS</td> <td>Listed</td> </tr> <tr> <td>China</td> <td>IECSC</td> <td>Listed</td> </tr> <tr> <td>Japan</td> <td>ENCS</td> <td>Listed <sup>(1)</sup></td> </tr> <tr> <td>Korea</td> <td>KECI</td> <td>Listed <sup>(1)</sup></td> </tr> <tr> <td>NewZealand</td> <td>NZIoC</td> <td>Listed</td> </tr> <tr> <td>Philippines</td> <td>PICCS</td> <td>Listed</td> </tr> <tr> <td>Taiwan</td> <td>TCSI</td> <td>Listed</td> </tr> </tbody> </table> <p>(1) In salt case, checked as non-salt chemical</p>			Country	List name	Status	USA	TSCA	Active	Canada	DSL/NDSL	DSL	Europe	EINECS	Listed	Australia	AICS	Listed	China	IECSC	Listed	Japan	ENCS	Listed <sup>(1)</sup>	Korea	KECI	Listed <sup>(1)</sup>	NewZealand	NZIoC	Listed	Philippines	PICCS	Listed	Taiwan	TCSI	Listed
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<b>3. Registration status</b>	<p>Europe (EC) No 1907/2006                      Korea 화학물질 등록 및 평가 등에 관한 법률 (AREC, K-REACH)                      China 新化学物质环境管理办法 (MEP Order 7)                      Taiwan 台灣毒管法 (TCSCA)</p> <table border="1"> <thead> <tr> <th style="background-color: #1a3d4d; color: white;">Country</th> <th style="background-color: #1a3d4d; color: white;">Checking point</th> <th style="background-color: #1a3d4d; color: white;">Status</th> </tr> </thead> <tbody> <tr> <td rowspan="4">EU REACH registration, Annex XIV, Annex XVII</td> <td>Registration</td> <td>Registered</td> </tr> <tr> <td>-</td> <td>(Monomers)</td> </tr> <tr> <td>Authorisation list</td> <td>No</td> </tr> <tr> <td>Restricted list</td> <td>No</td> </tr> <tr> <td>K-REACH (AREC)</td> <td>All subs. registration</td> <td>Pre-registered</td> </tr> <tr> <td>China REACH</td> <td>New chemicals</td> <td>Not applicable</td> </tr> <tr> <td rowspan="2">TCSCA/OSHA</td> <td>listed Toxic chem.</td> <td>Not listed</td> </tr> <tr> <td>Pre-registration</td> <td>see below <sup>(2)</sup></td> </tr> <tr> <td>UK REACH</td> <td>Pre-registration</td> <td>see below <sup>(2)</sup></td> </tr> <tr> <td>KKDIK</td> <td>Pre-registration</td> <td>see below <sup>(2)</sup></td> </tr> </tbody> </table> <p>Registration Details could be provided upon request.  <sup>(2)</sup> Contact SKgc for Annual Tonnage Compliance</p>			Country	Checking point	Status	EU REACH registration, Annex XIV, Annex XVII	Registration	Registered	-	(Monomers)	Authorisation list	No	Restricted list	No	K-REACH (AREC)	All subs. registration	Pre-registered	China REACH	New chemicals	Not applicable	TCSCA/OSHA	listed Toxic chem.	Not listed	Pre-registration	see below <sup>(2)</sup>	UK REACH	Pre-registration	see below <sup>(2)</sup>	KKDIK	Pre-registration	see below <sup>(2)</sup>				
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## General required regulations

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<b>1. Substance Very High Concern (EU 1907/2006) - SVHC</b>	<p>Not adding any listed substances intentionally over 0.1 wt%  <a href="https://echa.europa.eu/candidate-list-table">https://echa.europa.eu/candidate-list-table</a>                      Details could be provided upon request.</p>																																				
<b>2. Restriction on Hazardous Substance - Electric and Electronic Market &amp; Automotive Market</b>	<p>(EU) 2015/863 - RoHS, 2000/53/EC - ELV                      China Order No. 32 2016                      Korea: Act for Resource Recycling of Electrical and Electronic Equipment and Vehicles</p> <p>Not adding any listed substances intentionally over 0.1 wt%                      (Cadmium &lt; 0.01 wt%)                      4 heavy metals (Pb, Hg, Cd, Cr<sup>6+</sup>)                      2 brominated flame retardant group (PBB, PBDE)                      4 Phthalates (DEHP, BBP, DBP, DIBP)                      Details could be provided upon request.</p>																																				
<b>3. Regulations in general packaging and packaging wastes</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #1a3d4d; color: white;">Country</th> <th style="background-color: #1a3d4d; color: white;">Checking point</th> <th style="background-color: #1a3d4d; color: white;">Status</th> </tr> </thead> <tbody> <tr> <td>Coalition of Northeastern Governors (CONEG) developed Model Toxics in Packaging Legislation</td> <td>Pb, Cd, Hg, Cr<sup>6+</sup> Sum of contents less than 100 parts per million</td> <td>Not in use</td> </tr> <tr> <td>European Directive 94/62/EC of 20 December 1994 (amended as of EU/2018/852)</td> <td>Pb, Cd, Hg, Cr<sup>6+</sup> Sum of contents less than 100 parts per million</td> <td>Not in use</td> </tr> </tbody> </table>	Country	Checking point	Status	Coalition of Northeastern Governors (CONEG) developed Model Toxics in Packaging Legislation	Pb, Cd, Hg, Cr <sup>6+</sup> Sum of contents less than 100 parts per million	Not in use	European Directive 94/62/EC of 20 December 1994 (amended as of EU/2018/852)	Pb, Cd, Hg, Cr <sup>6+</sup> Sum of contents less than 100 parts per million	Not in use																											
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## Food safety and food contact regulations/standards

Section	Details
1. United States (21 CFR, FDA)	<p>Details could be provided upon request.</p>
2. European Union ( EC 1935/2004, EU 10/2011)	<p>European Commission Regulation (EC) No 1935/2004 - Materials and articles intended to come into contact with food (Rep. 80/590/EEC, 89/109/EEC)</p> <p>European Commission Regulation (EU) No 10/2011 - Plastic materials and articles intended to come into contact with food</p> <p>Details could be provided upon request.</p>
3. China (GB 4806-2016, GB 9685-2016)	<p>GB 4806-2016 National food safety standard General Safety Requirements on Food Contact Materials and Articles</p> <p>GB 9685-2016 National food safety standard Standard for the Use of Additives in Food Contact Materials and Articles</p> <p>Details could be provided upon request.</p>
4. Japan (Food sanitation act)	<p>MHLW Notification No. 370, Section 4: Standards and criteria for food and food additives, etc.</p> <p><u>Not adding any listed substances intentionally over 0.1 wt%<sup>(3)</sup></u> Copper, lead, alloy of copper and/or lead, and antimony Tin for plating Bis(2-ethylhexyl)phthalate</p> <p>As check-up of food contact requirement remains voluntary in Japan, SKGC recognises and act for protecting people from chemical exposure.</p> <p>Details could be provided upon request.</p>
5. Taiwan (Sanitation Standard for Food Utensils, Containers and Packages)	<p><u>Heavy metals and phthalates regulated under Sanitation Standard for Food Utensils, Containers and Packages are not expected to be present in this product.</u></p>
6. South Korea (Food sanitation act)	<p><u>Heavy metals phthalates regulated under “Standards and Specifications for Food utensils, Packages and Containers” are not expected to be present in this product more than 0.1 wt%.</u></p>

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## Food safety and food contact regulations/Standards

Section	Details											
<b>7. Food allergens (known)</b>	<p>No ingredients of this product have been derived from below materials and intentionally added into product.</p> <table border="1"> <thead> <tr> <th>Known food allergens</th> </tr> </thead> <tbody> <tr> <td>ANNEX II SUBSTANCES OR PRODUCTS CAUSING ALLERGIES OR INTOLERANCES under Regulation (EU) No 1169/2011</td> </tr> <tr> <td>Peanuts, Soybeans, Milk, Eggs</td> </tr> <tr> <td>Fish, Shellfish (Mollusks), Crustaceans</td> </tr> <tr> <td>Tree nuts, Mustard, Celery, Sesame, Lupine</td> </tr> <tr> <td>Animal or Vegetable proteins</td> </tr> <tr> <td>Caffeine, Monosodium glutamate (MSG)</td> </tr> <tr> <td>Colorants (including Carmine and Cochineal)</td> </tr> <tr> <td>Corn, Wheat, Barley, Rye, Triticale, Gluten</td> </tr> <tr> <td>Phenylalanine and its derivatives</td> </tr> <tr> <td>Sulfates / sulfites (any form of)</td> </tr> </tbody> </table>	Known food allergens	ANNEX II SUBSTANCES OR PRODUCTS CAUSING ALLERGIES OR INTOLERANCES under Regulation (EU) No 1169/2011	Peanuts, Soybeans, Milk, Eggs	Fish, Shellfish (Mollusks), Crustaceans	Tree nuts, Mustard, Celery, Sesame, Lupine	Animal or Vegetable proteins	Caffeine, Monosodium glutamate (MSG)	Colorants (including Carmine and Cochineal)	Corn, Wheat, Barley, Rye, Triticale, Gluten	Phenylalanine and its derivatives	Sulfates / sulfites (any form of)
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<b>8. Good Manufacturing Practice</b>	<p>Nevertheless GMP is not thoroughly required to manufacturer of chemicals by reaction, we try our best to meet requirements.</p> <table border="1"> <thead> <tr> <th>Country/standards</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>EU (EU) No 2023/2006</td> <td>Meet requirements</td> </tr> <tr> <td>US 21 CFR 110</td> <td>Meet requirements</td> </tr> <tr> <td>CN GB 31603-2015</td> <td>Meet requirements</td> </tr> </tbody> </table> <p>Risk assessments on chemicals have been conducted as sold product based on information provided by raw material/Process aid suppliers of SKgc.</p>	Country/standards	Status	EU (EU) No 2023/2006	Meet requirements	US 21 CFR 110	Meet requirements	CN GB 31603-2015	Meet requirements			
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## Other concerning chemicals under monitoring

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<b>1. Derivation from</b>	<table border="1"> <thead> <tr> <th>Designation</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>Animal derived components (BSE/TSE)</td> <td>Not in use</td> </tr> <tr> <td>Palm oil derived compoents</td> <td>Not in use</td> </tr> <tr> <td>Genetically Modified Organisms derived component</td> <td>Not in use</td> </tr> </tbody> </table> <p>Halal and/or Kosher have not been assessed.</p>	Designation	Status	Animal derived components (BSE/TSE)	Not in use	Palm oil derived compoents	Not in use	Genetically Modified Organisms derived component	Not in use		
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<b>2. Chemicals and process aids</b>	<table border="1"> <thead> <tr> <th>Substance</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>Plant derived components</td> <td>Not in use</td> </tr> <tr> <td>Mineral oil, Saturated hydrocarbon (MOSH)</td> <td>Not in use</td> </tr> <tr> <td>Butylated Hydroxytoluene (BHT)</td> <td>Not in use</td> </tr> <tr> <td>Zinc and Zinc compound</td> <td>Not in use</td> </tr> </tbody> </table> <p>All process aids are assessed their own risks of intended use into contact with food.</p>	Substance	Status	Plant derived components	Not in use	Mineral oil, Saturated hydrocarbon (MOSH)	Not in use	Butylated Hydroxytoluene (BHT)	Not in use	Zinc and Zinc compound	Not in use
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## Other concerning chemicals under monitoring

Section	Details	
<b>4. Generally recognised chemicals expecting no use</b>	Chemicals	Status
	ANNEX I Persistent Organic Pollutants(POPS) under Regulation (EU) 2019/1021	Not in use
	Epoxy Derivatives listed in Annex I of (EC) No 1895/2005 (BADGE, BFDGE, NOGE)	Not in use
	Materials in Nano as defined in 2011/696/EU	Not in use
	LATEX, natural rubber	Not in use
	Mineral oil, Aromatic hydrocarbon (MOAH)	Not in use
	Butylated Hydroxyanisole (BHA)	Not in use
	Antimony and Antimony compounds	Not in use
	Arsenic and Arsenic compounds	Not in use
	Asbestos	Not in use
	Azo compounds	Not in use
	Beryllium and Beryllium compounds	Not in use
	Bisphenol A, Bisphenol B, Bisphenol S and Bisphenol F	Not in use
	Chlorinated Paraffins	Not in use
	Copper and Copper compounds	Not in use
	Formaldehyde	Not in use
	Halogenated organic compounds (PBBs, PBDEs, PCBs, PCNs, PCTs, PBTs, HBCD)	Not in use
	Isocyanates (including TDI and MDI)	Not in use
	Mercury and Mercury compounds	Not in use
	Nickel and Nickel compounds	Not in use
	Organotin compounds	Not in use
	Ozone-depleting chemicals including Chlorofluorocarbons (CFCs) or Hydrochlorofluorocarbons (HCFCs)	Not in use
	Parabens	Not in use
	Perfluorooctane sulfonic acid and its derivatives (PFOS), perfluorooctanoic acid (PFOA), its salts and PFOA-related substances	Not in use
	17 Phthalates (BBP, DBP, DEHP, DIBP, DINP, DIDP, DnOP, DnHP, DMEP, DIPP, nP IPP, DnPP, DEP, DMP, DIHP, DHNUP, DPP)	Not in use
	Polycyclic Aromatic Hydrocarbons (PAHs)	Not in use
	Polyvinyl Chloride (PVC) and Vinyl Chloride Monomer (VCM)	Not in use
	Radioactive substances	Not in use
	Silver and Silver compounds	Not in use
	Styrene (as monomer form)	Not in use
	Nonylphenol including Tris(nonylphenyl)phosphite	Not in use
	"Not in use" means not intentionally added to product. SKgc is not expecting presence of those chemicals in product, thus analysis has not been conducted.	

### Disclaimer

It is responsibility of product users for determining the appropriateness and legitimacy of using, handling and disposing of the product for customer's purpose and use according to applicable laws and enactments at the time of using, handling and disposing of the product. SKgc assumes no obligation or liability for the information provided in this document. SKgc gives no warranties of merchantability or fitness, unless specifically implied for a particular purpose or use. Any patent owned by SKgc including its subsidiaries or others is to be protected from infringement. TDS and/or SDS take precedence over this document. For additional information, please contact our Customer Service Representative (inquiry\_polymer@sk.com).