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SAFETY DATA SHEET		lyondellbase
Alathon L5440		Gen. Variant: SDS_US_GH
Version 1.2 Revision Date	10/01/2019 Print Date 0	1/05/2022 SDS No.: BE11*
. IDENTIFICATION OF THE SUB	STANCE/MIXTURE AND OF	THE COMPANY/UNDERTAKING
Trade name CAS Number:	: Alathon L5440	
CAS Number: Chemical characterization	: 25087-34-7 : Polyethylene copolymer	
Chemical name	: 1-Butene, polymer with e	thene
Synonyms		-butene, Ethene-Butene copolymer
Identified uses	: Manufacture of plastic art or other conversion proce	ticles by injection molding, extrusion ess.
Prohibited uses	devices; Health Canada d	rmanent implantation into the body;
<u>Company Address</u> Equistar Chemicals, LP LyondellBasell Tower, Suite 3 1221 McKinney St. P.O. Box 2583 Houston Texas 77252-2583		nice 888 777-0232
<u>Emergency telephone numb</u> EQUISTAR 800-245-4532		
E-mail address Responsible/issuing person	: product.safety@lyb.com	
. HAZARDS IDENTIFICATION		
GHS Classification		
Combustible dust		
Label elements		
Signal word	: Warning	
Hazard Statements		nerated during further processing, ins, may form combustible dust
Other hazards		

AFETY DATA SHEET Alathon L5440 (ersion 1.2 Revision Date 10/0 No additional information availa COMPOSITION/INFORMATION ON ixtures Components Chemical name 1-Butene, polymer with ethene 2 Contains: Additives and stabilizers FIRST AID MEASURES General advice :	ble. INGREDIENTS CAS-No. 25087-34-7	<u>Weight %</u> > 99.5 %
Iathon L5440 ersion 1.2 Revision Date 10/0 No additional information availa COMPOSITION/INFORMATION ON ktures Components Î-Butene, polymer with ethene 1-Butene, polymer with ethene Contains: Additives and stabilizers FIRST AID MEASURES General advice :	INGREDIENTS CAS-No. 25087-34-7	Gen. Variant: SDS_US_GH /05/2022 SDS No.: BE11: Weight % > 99.5 %
ersion 1.2 Revision Date 10/0 No additional information availa COMPOSITION/INFORMATION ON xtures Components Chemical name 1-Butene, polymer with ethene Contains: Additives and stabilizers FIRST AID MEASURES General advice :	INGREDIENTS CAS-No. 25087-34-7	V05/2022 SDS No.: BE11 Weight % > 99.5 % o ensure your own health and safe
No additional information availa COMPOSITION/INFORMATION ON Atures Components Chemical name 1-Butene, polymer with ethene Contains: Additives and stabilizers FIRST AID MEASURES General advice :	INGREDIENTS CAS-No. 25087-34-7	<u>Weight %</u> > 99.5 %
COMPOSITION/INFORMATION ON xtures Components Chemical name 1-Butene, polymer with ethene 2 Contains: Additives and stabilizers FIRST AID MEASURES General advice :	INGREDIENTS CAS-No. 25087-34-7	o ensure your own health and safe
COMPOSITION/INFORMATION ON xtures Components Chemical name 1-Butene, polymer with ethene 2 Contains: Additives and stabilizers FIRST AID MEASURES General advice :	INGREDIENTS CAS-No. 25087-34-7	o ensure your own health and safe
Components Chemical name 1-Butene, polymer with ethene Contains: Additives and stabilizers FIRST AID MEASURES General advice :	CAS-No. 25087-34-7	o ensure your own health and safe
Components Chemical name 1-Butene, polymer with ethene Contains: Additives and stabilizers FIRST AID MEASURES General advice :	CAS-No. 25087-34-7	o ensure your own health and safe
Chemical name 1-Butene, polymer with ethene 2 Contains: Additives and stabilizers FIRST AID MEASURES General advice :	25087-34-7	o ensure your own health and safe
1-Butene, polymer with ethene 2 Contains: Additives and stabilizers FIRST AID MEASURES General advice :	25087-34-7	o ensure your own health and safe
Contains: Additives and stabilizers	Take proper precautions t	o ensure your own health and safe
Contains: Additives and stabilizers FIRST AID MEASURES General advice :	Take proper precautions t	o ensure your own health and safe
FIRST AID MEASURES General advice :	Take proper precautions t	
General advice :		
General advice :		
If inhaled :		
If inhaled :		
	Remove person to fresh a	ir. If signs/symptoms continue, ge
	medical attention.	ation of fumes that may be genera
	during heating of this mate	erial, move the person to fresh air.
	Obtain medical attention. Keep person warm, if nec	essary give Cardio-Pulmonary
	Resuscitation (CPR)	
In case of skin contact :	If molten material contacts	s the skin, immediately flush with
	large amounts of water to	cool the affected tissue and polym
	Do not attempt to peel pol skin.	ymer from skin as this will remove
		ncy medical attention if burn is de
	or extensive.	
In case of eye contact :	Flush eyes thoroughly wit	h water for several minutes and se
	medical attention if discor	
:	In case of eye contact with	
	Continuously flush eye(s) minutes.	with cool running water for at leas
	Beyond flushing, DO NOT	attempt to remove the material
	adherent to the eye(s). Immediately seek medical	attention.
	·	
If swallowed :	Adverse health effects du	e to ingestion are not anticipated.
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Notes to physician Symptoms	: Inhalation of process fumes and vapors may cause soreness the nose and throat and coughing.
Hazards	: Dust contact with the eyes can lead to mechanical irritation. Molten polymer may cause thermal burns.
Treatment	: Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.
5. FIRE-FIGHTING MEASURES Suitable extinguishing media	: SMALL FIRE: Use dry chemical, CO2, or water spray.
	: LARGE FIRES: Use water spray hose nozzles from a safe location.
Unsuitable extinguishing media	: None known.
Specific hazards during fire fighting	 Keep away from heat and sources of ignition. In case of fire hazardous decomposition products may be produced such as: Carbon monoxide, carbon dioxide and unburned hydrocarbon (smoke).
Special protective equipment for fire-fighters	: Wear approved positive pressure self-contained breathing apparatus and firefighter protective clothing.
Further information	 Combustible particulate solid, will decompose under fire conditions. Calorific Value: 8000 - 11000 kcal/kg Fight fire from safe distance with hose lines or monitor nozzle Heat from fire may melt, decompose polymer, and generate flammable vapors. Move containers from fire area if it can be done without risk. Evacuate immediately in the event of opening of storage container pressure relief devices or discoloration of container. Always stay away from tanks engulfed in fire. Do not attempt to get on top of storage containers involved in fire. Cool storage containers with large volumes of water even after fire is out.
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3. ACCIDENTAL RELEASE MEASURES Personal precautions : Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protectiv equipment (PPE) Avoid generating dust. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Potential combustible dust hazard. Polymer particles create slipping hazard on hard smooth surfaces. Environmental precautions : Do not flush into surface water or sanitary sewer system. Methods for containment / Methods for cleaning up : On land, sweep/shovel into suitable disposal containers or vacuum using equipment which avoids ignition risk. On water, material is insoluble; collect and contain as any solid. All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with goo engineering practices. Reclaim where possible.		hongrunplas	tics.com		
Version 1.2 Revision Date 10/01/2019 Print Date 01/05/2022 SDS No.: BE11 Accident Release Measures Personal precautions Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip mergency responders with proper personal protectiv equipment (PPE) Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Potential combustible dust hazard. Polymer particles create slipping hazard on hard smooth surfaces. Environmental precautions : Do not flush into surface water or sanitary sewer system. Methods for containment / Methods for cleaning up Con land, sweep/shovel into suitable disposal containers or vacuum using equipment which avoids ignition risk. On water, material is insoluble; collect and contain as any solid. All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance wit applicable laws and regulations and in conformance wit applicable laws and regulating and storage Precautions for safe handling Advice on safe handling : Material is in a pellet form. If converted to small particles during further processing, handling, or by other means, may form combustible dust concentrations in air. Avoid dust accumulation in enclosed space. Use dust collection systems designed per NPPA 654 to avoid dust accumulation. Avoid generating dust; fine dust suspended in air and in the presence of an ignition source is a potential dust explosion harding, or by other means, may form combustible dust concentrations in air. Avoid generating dust; fine dust suspended in air and in the presence of an ignition source is a potential dust explosion harard. Static discharge (appre may build during conveying or handling, Equipment handling polymer should be conductive and	SAFETY DATA SHEET			lyond	ellbase
ACCIDENTAL RELEASE MEASURES Personal precautions : Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protectiv equipment (PPE) Avoid generating dust. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Potential combustible dust hazard. Polymer particles create slipping hazard on hard smooth surfaces. Environmental precautions : Do not flush into surface water or sanitary sewer system. Methods for containment / : On land, sweep/shovel into suitable disposal containers or vacuum using equipment which avoids ignition risk. On water, material is insoluble; collect and contain as any solid. All recovered material should be packaged, labeled, transported and elipsosed of or reclaimed in conformance with go engineering practices. Reclaim where possible. Handling and storage Precautions for safe handling Advice on safe handling : Material is in a pellet form. If converted to small particles during further processing, handling, or by other means, may form combustible dust concentrations in air. Avoid dust accumulation in enclosed space. Use dust collection systems designed per NFPA 654 to avoid dust accumulation source is a potential dust explosion hazard. Static clickcharge (spark), or other ignition sources, in high du environments may ignite the dust and result in a dust explosion Electrostatic charge may build during conveying or handling.	Alathon L5440			Gen. Variar	nt: SDS_US_GHS
Personal precautions : Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protectiv equipment (PPE) Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Potential combustible dust hazard. Polymer particles create slipping hazard on hard smooth surfaces. Environmental precautions : Do not flush into surface water or sanitary sewer system. Methods for containment / Methods for cleaning up : On land, sweep/shovel into suitable disposal containers or vacuum using equipment which avoids ignition risk. On water, material is insoluble; collect and contain as any soild. All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with go engineering practices. Reclaim where possible. Precautions for safe handling : Material is in a pellet form. If converted to small particles during further processing, handling, or by other means, may form combustible dust concentrations in air. Avoid dust accumulation in enclosed space. Use dust collection systems designed per NFPA 654 to avoid dust accumulation. Avoid generating dust; fine dust suspended in air and in the presence of an ignition sources is a potential dust explosion hazard. Static discharge (spark), or other ignition sources, in high du environments may ignite the dust and result in a dust explosion Electrostatic charge may build during conveying or handling, Equipment handling polymer should be conductive and	Version 1.2 Revision Date	10/01/2019 Pi	rint Date 01/05/2	2022	SDS No.: BE111
Personal precautions : Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protectiv equipment (PPE) Avoid generating dust. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Potential combustible dust hazard. Polymer particles create slipping hazard on hard smooth surfaces. Environmental precautions : Do not flush into surface water or sanitary sewer system. Methods for containment / Methods for cleaning up : On land, sweep/shovel into suitable disposal containers or vacuum using equipment which avoids ignition risk. On water, material is insoluble; collect and contain as any solid. All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with gor engineering practices. Reclaim where possible. Precautions for safe handling : Material is in a pellet form. If converted to small particles during further processing, handling, or by other means, may form combustible dust concentrations in air. Avoid dust accumulation in enclosed space. Use dust collection systems designed per NFPA 654 to avoid dust accumulation. Avoid generating dust; fine dust suspended in air and in the presence of an ignition sources is a potential dust explosion hazard. Static discharge (spark), or other ignition sources, in high du environments may ignite the dust and result in a dust explosion Electrostatic charge may build during conveying or handling, Equipment handling polymer should be conductive and					
Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protectiv equipment (PPE) Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Potential combustible dust hazard. Polymer particles create slipping hazard on hard smooth surfaces. Environmental precautions : Do not flush into surface water or sanitary sewer system. Methods for containment / Methods for cleaning up : On land, sweep/shovel into suitable disposal containers or vacuum using equipment which avoids ignition risk. On water, material is insoluble; collect and contain as any solid. All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with goo engineering practices. Reclaim where possible.	ACCIDENTAL RELEASE MEAS	URES			
Methods for containment / Methods for cleaning up : On land, sweep/shovel into suitable disposal containers or vacuum using equipment which avoids ignition risk. On water, material is insoluble; collect and contain as any solid. All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with god engineering practices. Reclaim where possible. 7. Handling and storage Precautions for safe handling Advice on safe handling : Material is in a pellet form. If converted to small particles during further processing, handling, or by other means, may form combustible dust concentrations in air. Avoid dust accumulation in enclosed space. Use dust collection systems designed per NFPA 654 to avoid dust accumulation. Avoid generating dust; fine dust suspended in air and in the presence of an ignition source is a potential dust explosion hazard. Static discharge (spark), or other ignition sources, in high duse environments may ignite the dust and result in a dust explosion Electrostatic charge may build during conveying or handling. Equipment handling polymer should be conductive and	Personal precautions	Creates dange surface. Equip emerger equipment (PF Avoid generati Avoid dispersa with compress Potential comb Polymer partic	erous slipping hanney responders PE) ng dust. al of dust in the a red air). bustible dust han	azard on any l with proper p air (i.e., clearin zard.	ersonal protective ng dust surfaces
Methods for cleaning up vacuum using equipment which avoids ignition risk. On water, material is insoluble; collect and contain as any solid. All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with god engineering practices. Reclaim where possible. Y. Handling and storage Precautions for safe handling Advice on safe handling Advice on safe handling Y. Material is in a pellet form. If converted to small particles during further processing, handling, or by other means, may form combustible dust concentrations in air. Avoid dust accumulation in enclosed space. Use dust collection systems designed per NFPA 654 to avoid dust accumulation. Avoid generating dust; fine dust suspended in air and in the presence of an ignition source is a potential dust explosion hazard. Static discharge (spark), or other ignition sources, in high du environments may ignite the dust and result in a dust explosion Electrostatic charge may build during conveying or handling. Equipment handling polymer should be conductive and	Environmental precautions	: Do not flush in	ito surface wate	r or sanitary s	ewer system.
Precautions for safe handling Advice on safe handling : Material is in a pellet form. If converted to small particles during further processing, handling, or by other means, may form combustible dust concentrations in air. Avoid dust accumulation in enclosed space. Use dust collection systems designed per NFPA 654 to avoid dust accumulation. Avoid generating dust; fine dust suspended in air and in the presence of an ignition source is a potential dust explosion hazard. Static discharge (spark), or other ignition sources, in high dust environments may ignite the dust and result in a dust explosion Electrostatic charge may build during conveying or handling. Equipment handling polymer should be conductive and		vacuum using o On water, mate solid. All recovered in transported and applicable laws	equipment which erial is insoluble; naterial should t d disposed of or and regulations	h avoids igniti ; collect and c pe packaged, reclaimed in s and in confo	on risk. ontain as any labeled, conformance with rmance with good
Advice on safe handling : Material is in a pellet form. If converted to small particles during further processing, handling, or by other means, may form combustible dust concentrations in air. Avoid dust accumulation in enclosed space. Use dust collection systems designed per NFPA 654 to avoid dust accumulation. Avoid generating dust; fine dust suspended in air and in the presence of an ignition source is a potential dust explosion hazard. Static discharge (spark), or other ignition sources, in high dust explosion Electrostatic charge may build during conveying or handling. Equipment handling polymer should be conductive and					
5		: Material is in a If converted to handling, or by concentrations Avoid dust acc Use dust collec dust accumulat Avoid generatir presence of an hazard. Static discharge environments r explosion Electrostatic ch Equipment han	small particles of other means, n in air. umulation in end tion systems de tion. ng dust; fine dus ignition source e (spark), or oth may ignite the du harge may build idling polymer s	nay form comb closed space. esigned per N st suspended is a potential ner ignition sou ust and result during convey hould be conc	FPA 654 to avoid in air and in the dust explosion urces, in high dust in a dust
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	Metal containers involved should be grounded and I All electrical equipment sl codes and regulatory requ combustible dusts. After handling, always wa water. When bringing the materia may develop may conden section 10. Refer to NFPA 654, Stand Dust Explosions from the Handling of Combustible	bonded. hould conform to uirements for a sh hands thoro al to processing se in the exhau dard for the Pre Manufacturing,	to applicable electric reas handling rughly with soap and g temperatures vapors ust ventilation. See evention of Fire and Processing, and
Fire-fighting class :	Polymer will burn but does	s not easily ign	ite.
Conditions for safe storage, in	cluding any incompatibili	ties	
Requirements for storage : areas and containers	Store in a dry location. Use good housekeeping p and handling. Process en should be used to avoid e Store away from excessiv oxidizing agents. Keep container closed to Take measures to prevent	closures and a excessive dust a ve heat and awa prevent contan	dequate ventilation accumulation. ay from strong nination.
Specific end use(s)			
:	See Section 1.		
8. EXPOSURE CONTROLS/PERSON	AL PROTECTION		

Control parameters

Ingredients with workplace control parameters

Occupational Exposure Limits

Components	CAS-No.	Туре	Limit Value	Basis	Additional
				Revision Date	Information
Materials that can be formed when handling this product: Non- specified (inert or nuisance) dust		TWA	10 mg/m3 inhalable	US (ACGIH) 2005	

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Materials that can be formed when handling this product: Non- specified (inert or nuisance) dust		TWA	3 mg/m3 respirable	US (ACGIH) 2005	
Materials that can be formed when handling this product: Non- specified (inert or nuisance) dust		TWA	15 mg/m3 total dust	US (OSHA) 2005	
Materials that can be formed when handling this product: Non- specified (inert or nuisance) dust		TWA	5 mg/m3 respirable	US (OSHA) 2005	

Consult local authorities for acceptable exposure limits.

Exposure controls

Engineering measures

Follow the recommendations in NFPA 654 (as amended and adopted) for equipment used to handle this product.

Engineering controls, i.e. enclosed systems, should be used whenever feasible to maintain exposures below acceptable criteria. When such controls are not feasible, or sufficient to achieve full conformance, other engineering controls such as local exhaust ventilation should be used. Equipment and vessels handling combustible dust from this material should be designed to either prevent dust explosions (inerting) or safely vent dust explosions per NFPA 654 Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

Personal protective equipment

Respiratory protection	 Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use appropriate respiratory protection where atmosphere exceeds recommended limits. Where workers could be exposed to dust concentrations above the exposure limit they must use appropriate certified respirators.
Hand protection	: Wear gloves that provide thermal protection where there is a potential for contact with heated material.
Eye and face protection	: Dust service goggles should be worn to prevent mechanical
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	injury or other irritation to eyes due to airborne particles which may result from handling this product.
Skin and body protection	: Wear suitable protective clothing.
Hygiene measures	 Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Take off contaminated clothing and wash before reuse.
PHYSICAL AND CHEMICAL P Appearance	ROPERTIES : Pellets.
Color	: Translucent to white
Odor	: Slight.
Odor Threshold	: No value available.
Flash point	: No Data Available.
Lower explosion limit	: The minimum explosive concentration (MEC) for polymer dus varies according to particle size distribution.
Upper explosion limit	: Not applicable.
Flammability (solid, gas)	: Polymer will burn but does not easily ignite.
Oxidizing properties	: Not considered an oxidizing agent.
Autoignition temperature	: > 300 °C
Decomposition temperature	: not determined
Melting point/range	: 50 - 170 °C
Boiling point/boiling range	: Not applicable.
Vapor pressure	: Not applicable.
Density	: <1 g/cm3
Water solubility	: Insoluble.
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Partition coefficient: n- octanol/water	: No Data Available.		
Viscosity, dynamic	: Not applicable.		
Relative vapor density	: Not applicable.		
Evaporation rate	: Not applicable.		
Explosive properties	: No Data Available.		
Other Information	: No additional information available.		
D. STABILITY AND REACTIVITY	, ,		
Reactivity	: No known reactivity hazards.		
Chemical stability	: Stable under normal conditions.		
Hazardous reactions	: Will not occur.		
Conditions to avoid	: Avoid contact with strong oxidizers, excessive heat, sparks or open flame.		
Materials to avoid	: Material may be softened by some hydrocarbons.		
Hazardous decomposition products	: Not expected to decompose under normal conditions.		
Thermal decomposition	: Carbon monoxide, olefinic and paraffinic compounds, trace amounts of organic acids, ketones, aldehydes and alcohols may be formed.		
I. TOXICOLOGICAL INFORMAT	ΓΙΟΝ		
Acute toxicity			
Acute oral toxicity	: Not classified		
Acute inhalation toxicity	: Not classified		
Acute dermal toxicity	: Not classified		
Skin corrosion/irritation	: Not a skin irritant.		
Serious eye damage/eye irritation	: Not an eye irritant. Mechanical irritation is possible.		
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Respiratory or skin	: Not classified
sensitization	
Chronic toxicity	
••	
Carcinogenicity	: Not classified
	Not classified
	Not listed by IARC, NTP, OSHA or EPA.
Germ cell mutagenicity	: Not classified
Reproductive toxicity	
Effects on fertility /	: Not classified
Effects on or via lactation	
Effects on Development	: Not classified
	: The substance or mixture is not classified as specific target
Toxicant - Single exposure	organ toxicant, single exposure.
Target Organ Systemic	: The substance or mixture is not classified as specific target
Toxicant - Repeated exposure	organ toxicant, repeated exposure.
Aspiration hazard	: Not applicable.
12. Ecological information	
Ecotoxicology Assessment	
Short-term (acute) aquatic	: Not classified
hazard	
Long-term (chronic) aquatic hazard	: Not classified
Persistence and degradability	
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Biodegradability	: Not expected to be biodegradable.
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Bioaccumulative potential	
Bioaccumulation	This material is not expected to bioaccumulate.
Mobility in soil	
Mobility	no data available
Other adverse effects	
Environmental fate and since a set the set of the set o	This material is not volatile and insoluble in water.
Other information	
Additional ecological : information	 Ecotoxicity is expected to be minimal based on the low water solubility of polymers. No data available on this product. However, birds, fish and other wildlife may eat pellets which may obstruct their intestinal tracts.
13. Disposal considerations Waste treatment methods	
Product	All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible. Recycle if possible.
:	This material is classified as a Non-hazardous Material by RCRA.
14. TRANSPORT INFORMATION	
Not regulated for transport	
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15. REGULATORY INFORMATION

TSCA 12b

No substances are subject to TSCA 12(b) export notification requirements.

Significant New Use Rules (SNUR)

No substances are subject to a Significant New Use Rule.

SARA 302/304

This product contains no known chemicals regulated under SARA 302/304.

SARA 311/312

Based upon available information, this material is classified as the following health and/or physical hazards according to Section 311 & 312:

Combustible dust

SARA 313

Know Act.

This product contains no known chemicals regulated under SARA 313.

State Reporting

This material does not contain listed substance(s) known to the State of California to cause cancer, birth defects, or other reproductive harm that would require warning under the California Proposition 65 State Drinking Water and Toxic Enforcement Act. However, LyondellBasell has not tested for the presence of listed chemical substances.

This product contains no known chemicals regulated by New Jersey's Worker and Community Right to

No components are subject to the Massachusetts Right to Know Act.

This product contains no known chemicals regulated by Pennsylvania's Right to Know Act.

Other international regulations

Global Inventory Status

The ingredients of this product are compliant with the following chemical inventory requirements or exemptions.

*Additional Explanatory Status Statements follow the table, as necessary.

Country/Region	Inventory	Status Description	
Australia	AICS	Compliant	
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ersior		0/01/2019	Print Date 01	1/05/202	2	SDS	No.: BE11
	Canada	DSL	Complia	Int			
	China	IECSC	Complia				
	Europe	REACH			mpliance	Stater	nent
	Japan	ENCS	Complia				
	Korea New Zealand	KECI	Complia				
	Philippines	NZIOC PICCS	Complia Complia				
	United States of America	TSCA	Complia				
	Taiwan	TCSCA	Complia				
ontact	product.safety@lyb.com for	additional global	l inventory in	formatio	n.		
	product.safety@lyb.com for	additional global	l inventory in	formatio	n.		
5. OTH					n.		
). OTH Ma	IER INFORMATION				n.		
5. OTH Ma Re	HER INFORMATION Aterial safety datasheet sect evised Section(s): 15 16		ve been upd		n.	0	
6. OTH Ma Re HM	HER INFORMATION Aterial safety datasheet sect evised Section(s): 15 16 IIS Classification :	t ions which ha r Health Hazard: Flammability: 1	ve been upd		0 1	0	0
6. OTH Ma Re HM	HER INFORMATION Aterial safety datasheet sect evised Section(s): 15 16 IIS Classification :	tions which ha Health Hazard: Flammability: 1 Physical hazard Health Hazard: Fire Hazard: 1	ve been upd		0 1		0
6. OTH Ma Re HM NF	HER INFORMATION Aterial safety datasheet sect evised Section(s): 15 16 IIS Classification : PA Classification :	tions which have Health Hazard: Flammability: 1 Physical hazard: Health Hazard: Fire Hazard: 1 Instability: 0	ve been upd 0 ds: 0 0		0 1		

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Numerical Data Presentation

The presentation of numerical data, such as that used for physical and chemical properties and toxicological values, is expressed using a comma (,) to separate digits into groups of three and a period (.) as the decimal marker. For example, 1,234.56 mg/kg = 1 234,56 mg/kg.

Language Translations

The information presented in this document has been translated from English by a vendor LyondellBasell believes to be reliable. LyondellBasell and its vendor have made a good-faith effort to verify the accuracy of the translation, but assume no liability or other responsibility for any errors that may have occurred. Please refer to our web site (www.lyondellbasell.com) for the original document written in English.

End of Material Safety Data Sheet