(+) 188 1699 6168

	hongrunplastics.com	
SAFETY DATA SHEET		lyondellbasell
Petrothene LP510031		Gen. Variant: SDS_US_GHS
Version 1.2 Revision Date	10/01/2019 Print Date 0'	1/05/2022 SDS No.: BE147
1. IDENTIFICATION OF THE SUBS		
1. IDENTIFICATION OF THE 30B3	TANCE/WIXTORE AND OF	THE COMPANI/ONDERTARING
Trade name CAS Number: Chemical characterization Chemical name Synonyms	 Petrothene LP510031 25213-02-9 Polyethylene copolymer 1-Hexene,polymer with et Ethylene-1-hexene copoly 	hene /mer, Ethylene-Hexene Copolymer
Identified uses	: Manufacture of plastic art or other conversion proce	icles by injection molding, extrusion ss.
Prohibited uses	devices; Health Canada c	manent implantation into the body;
Company Address Equistar Chemicals, LP LyondellBasell Tower, Suite 30 1221 McKinney St. P.O. Box 2583 Houston Texas 77252-2583		vice 888 777-0232
Emergency telephone number EQUISTAR 800-245-4532 E-mail address Responsible/issuing person	<u>er</u> : product.safety@lyb.com	
2. HAZARDS IDENTIFICATION		
GHS Classification		
Combustible dust		
Label elements		
Signal word	: Warning	
Hazard Statements		nerated during further processing, ns, may form combustible dust
Other hazards		
	1 / 13	

	(+) 188 1699 6168		
	hongrunplastics.com		
SAFETY DATA SHEET		lyondellbasell	
Petrothene LP510031		Gen. Variant: SDS_US_GHS	
Version 1.2 Revision Date	10/01/2019 Print Date 01	/05/2022 SDS No.: BE1471	
No additional information ava	ailable.		
3. COMPOSITION/INFORMATION	ON INGREDIENTS		
Mixtures			
Components			
Chemical name	CAS-No.	<u>Weight %</u>	
1-Hexene,polymer with ethene	25213-02-9	> 99.5 %	
Contains: Stabilizers			
4. FIRST AID MEASURES			
General advice	: Take proper precautions before attempting rescue	to ensure your own health and safety and providing first aid.	
If inhaled	 Remove person to fresh air. If signs/symptoms continue, get medical attention. In case of excessive inhalation of fumes that may be generated during heating of this material, move the person to fresh air. Obtain medical attention. Keep person warm, if necessary give Cardio-Pulmonary Resuscitation (CPR) 		
In case of skin contact	 If molten material contacts the skin, immediately flush with large amounts of water to cool the affected tissue and polyme Do not attempt to peel polymer from skin as this will remove t skin. Obtain immediate emergency medical attention if burn is deep or extensive. 		
In case of eye contact	: Flush eyes thoroughly wit medical attention if discor	h water for several minutes and seek nfort persists.	
	minutes.	with cool running water for at least 15 attempt to remove the material	
If swallowed	: Adverse health effects du	e to ingestion are not anticipated.	
	2 / 13		
	2, 10		

	hongrunplastics.com		
SAFETY DATA SHEET	lyondellbase		
Petrothene LP510031	Gen. Variant: SDS_US_GHS		
Version 1.2 Revision Date	10/01/2019 Print Date 01/05/2022 SDS No.: BE147		
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. 		
	3 / 13		

	hongrunplastics.com
SAFETY DATA SHEET	lyondellbase
Petrothene LP510031	Gen. Variant: SDS_US_G
/ersion 1.2 Revision Date	e 10/01/2019 Print Date 01/05/2022 SDS No.: BE
	<u> </u>
ACCIDENTAL RELEASE MEAS	SURES
Personal precautions	 Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface.
	Equip emergency responders with proper personal protective 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 wi applicable laws and regulations and in conformance with go engineering practices. Reclaim where possible.
Handling and storage Precautions for safe handlin	ng
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 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
	grounded (earthed) and bonded.

	hongrunplastics.com	
SAFETY DATA SHEET		lyondellbasell
Petrothene LP510031		Gen. Variant: SDS_US_GHS
Version 1.2 Revision Date 10	0/01/2019 Print Date 0 ⁻	1/05/2022 SDS No.: BE1471
Fire-fighting class : Conditions for safe storage, in	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 Polymer will burn but does cluding any incompatibili Store in a dry location.	in the transfer of this material bonded. hould conform to applicable electric uirements for areas handling ash hands thoroughly with soap and al to processing temperatures vapors use in the exhaust ventilation. See dard for the Prevention of Fire and Manufacturing, Processing, and Particulate Solids, for safe handling. s not easily ignite.
areas and containers Specific end use(s)	and handling. Process en should be used to avoid e Store away from excessiv oxidizing agents. Keep container closed to	closures and adequate ventilation excessive dust accumulation. <i>Je</i> heat and away from strong
	See Section 1.	

8. EXPOSURE CONTROLS/PERSONAL 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		TWA	10 mg/m3	US (ACGIH)	
be formed when			inhalable	2005	
handling this					
product: Non-					
specified (inert or					
nuisance) dust					

5 / 13

		hongrun	plastics.com		
SAFETY DATA S	SHEET			lyond	ellbasell
Petrothene LP	510031			Gen. Variant	:: SDS_US_GHS
Version 1.2 R	evision Date 10	/01/2019	Print Date 01	/05/2022	SDS No.: BE1471
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
	6 / 13

	hongrunplastics.com		
SAFETY DATA SHEET	lyondellbase		
Petrothene LP510031	Gen. Variant: SDS_US_GHS		
Version 1.2 Revision Dat	e 10/01/2019 Print Date 01/05/2022 SDS No.: BE143		
	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	 Wear suitable protective clothing. 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 F	: 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.		

	how we want to a second		
	hongrunplastics.com		
AFETY DATA SHEET	lyondellbase		
etrothene LP510031	Gen. Variant: SDS_US_GH		
ersion 1.2 Revision Date	e 10/01/2019 Print Date 01/05/2022 SDS No.: BE1		
Partition coefficient: n- octanol/water Viscosity, dynamic	No Data Available.Not applicable.		
Relative vapor density	: Not applicable.		
Evaporation rate	: Not applicable.		
Explosive properties	: No Data Available.		
Other Information	: No additional information available.		
. 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.		
. TOXICOLOGICAL INFORMAT	ΓΙΟΝ		
Acute toxicity			
Acute oral toxicity	: Not classified		
Acute inhalation toxicity Acute dermal toxicity	: Not classified		
	: Not classified		
Skin corrosion/irritation	: Not a skin irritant.		
Serious eye damage/eye irritation	: Not an eye irritant. Mechanical irritation is possible.		
	8 / 13		

	hongrunpla	astics.com		
SAFETY DATA SHEET			lyonde	llbasell
Petrothene LP510031			Gen. Variant:	SDS_US_GHS
Version 1.2 Revision Date 1	0/01/2019	Print Date 01/05/20	22 SE	DS No.: BE1471
Respiratory or skin sensitization	: Not classified	1		
Chronic toxicity				
Carcinogenicity	: Not classified	ł		
	Not classified Not listed by	IARC, NTP, OSHA	or EPA.	
Germ cell mutagenicity	: Not classified	ł		
Reproductive toxicity				
Effects on fertility / Effects on or via lactation	: Not classified	ł		
Effects on Development	: Not classified			
Target Organ Systemic Toxicant - Single exposure	: The substance or mixture is not classified as specific target organ toxicant, single exposure.		ecific target	
Target Organ Systemic Toxicant - Repeated exposure		ce or mixture is not nt, repeated exposu		ecific target
Aspiration hazard	: Not applicabl	e.		
12. Ecological information				
Ecotoxicology Assessment				
hazard	: Not classified			
Long-term (chronic) aquatic hazard	: Not classified	1		
Persistence and degradability				
Biodegradability	: Not expected	to be biodegradabl	е.	
	9 / 1	13		

	hongrunplastics.com		
SAFETY DATA SHEET	lyondellbasell		
Petrothene LP510031	Gen. Variant: SDS_US_GHS		
Version 1.2 Revision Date 10	0/01/2019 Print Date 01/05/2022 SDS No.: BE1471		
Bioaccumulative potential			
Bioaccumulation	: This material is not expected to bioaccumulate.		
Mobility in soil			
Mobility	: no data available		
Other adverse effects			
Environmental fate and pathways	: This material is not volatile and insoluble in water.		
Other information			
Additional ecological	 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			
	10 / 13		

SAFETY DATA SHEET

Petrothene LP510031

Version 1.2

Revision Date 10/01/2019

Print Date 01/05/2022

Gen. Variant: SDS US GHS

lyondellbase

SDS No.: BE1471

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

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

Know Act.

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	
	•	· ·	
	11 / 1	3	

SAFETY DATA SHEET

Petrothene LP510031

Version 1.2

Revision Date 10/01/2019

Print Date 01/05/2022

Gen. Variant: SDS_US_GHS 22 SDS No.: BE1471

lyondellbase

Canada	DSL	Compliant
China	IECSC	Compliant
Europe	REACH	See REACH Compliance Statement
Japan	ENCS	Compliant
Korea	KECI	Compliant
New Zealand	NZIoC	Compliant
Philippines	PICCS	Compliant
United States of America	TSCA	Compliant
Taiwan	TCSCA	Compliant

REACh status

If the product has been purchased from any company of the LyondellBasell group of companies registered in the European Union, we confirm that all substances in this preparation have been registered under REACh, in accordance with the deadlines set forth in REACh. (Regulation (EU) No. 1907/2006)

*This product contains one or more substances having volume restrictions. Contact Product Safety for additional information.

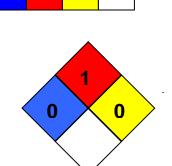
Contact product.safety@lyb.com for additional global inventory information.

16. OTHER INFORMATION

Material safety datasheet sections which have been updated:

Revised Section(s): 15 16

HMIS Classification	: Health Hazard: 0 Flammability: 1 Physical hazards: 0	
NFPA Classification	: Health Hazard: 0 Fire Hazard: 1 Instability: 0	



0

1

Further information

12 / 13

SAFETY DATA SHEET

Petrothene LP510031

Version 1.2

Revision Date 10/01/2019

Print Date 01/05/2022

Gen. Variant: SDS US GHS

lyondellbase

SDS No.: BE1471

HMIS rating scale (0 = minimal hazard; 4 = severe hazard) NFPA rating scale (0 = minimal hazard; 4 = severe hazard)

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative or visit the LyondellBasell website at: https://www.lyondellbasell.com/en/products-technology/product-safety-stewardship/ The Trade Name referenced in section 1 is a trademark owned or used by the LyondellBasell family of companies.

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