	(+) 18816996168
SAFETY DATA SHEET	Ponciplastics.com
Luncler 1940D	Gen. Variant: SDS_US_GHS
Lupolen 1840D           Version 1.0         Revision Date 0	
1. IDENTIFICATION OF THE SUBS	TANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
Trade name CAS Number: Chemical characterization Chemical name Synonyms	Lupolen 1840D 9002-88-4 Polyethylene Homopolymer Polyethylene Ethene, homopolymer, PE
Identified uses	Manufacture of plastic articles by injection molding, extrusion or other conversion process.
Prohibited uses	FDA Class III medical devices; European class III medical devices; Health Canada class IV Medical Devices; Applications involving permanent implantation into the body; Life-sustaining medical applications
<u>Company Address</u> Equistar Chemicals, LP LyondellBasell Tower, Suite 300 1221 McKinney St. P.O. Box 2583 Houston Texas 77252-2583	Customer Service 888 777-0232 product.safety@lyb.com
Emergency telephone numbe EQUISTAR 800-245-4532 E-mail address Responsible/issuing person	r product.safety@lyb.com
2. HAZARDS IDENTIFICATION	
GHS Classification	
Combustible dust	
Label elements	
Signal word	: Warning
Hazard Statements	: If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.
Other hazards	
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AFETY DATA SHEET	Ponciplastics.com	Jondellbase
upolen 1840D ersion 1.0 Revision Da	te 09/20/2021 Print Date	Gen. Variant: SDS_US_GHS 01/05/2022 SDS No.: BE82
ersion 1.0 Revision Da		01/03/2022 SDS NO.: BE82
May decompose releasin	g irritating and toxic gases.	
COMPOSITION/INFORMATIO	N ON INGREDIENTS	
ubstances		
Components Chemical name	CAS-No.	Weight % Component
	EC-No.	Туре
Polyethylene	9002-88-4	100.0 %
FIRST AID MEASURES		
General advice		ns to ensure your own health and safet sue and providing first aid.
lf inhaled	<ul> <li>Remove person to fresh air. If signs/symptoms continue, get medical attention.</li> <li>In case of excessive inhalation of fumes that may be generate during heating of this material, move the person to fresh air.</li> <li>Obtain medical attention.</li> <li>Keep person warm, if necessary give Cardio-Pulmonary Resuscitation (CPR)</li> </ul>	
In case of skin contact	large amounts of water Do not attempt to peel skin.	acts the skin, immediately flush with r to cool the affected tissue and polyme polymer from skin as this will remove ergency medical attention if burn is dee
In case of eye contact	: Flush eyes thoroughly medical attention if dis	with water for several minutes and see comfort persists.
	minutes.	e(s) with cool running water for at least
If swallowed	: Adverse health effects	due to ingestion are not anticipated.
II Swallowed		

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Lupolen 1840D	Gen. Variant: SDS_US_GHS
Version 1.0 Revision Date	09/20/2021 Print Date 01/05/2022 SDS No.: BE820
Notes to physician	
Symptoms	: Inhalation of process fumes and vapors may cause soreness i 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 o 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	<ul> <li>Keep away from heat and sources of ignition.</li> <li>In case of fire hazardous decomposition products may be produced such as:</li> <li>Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).</li> </ul>
Special protective equipment for fire-fighters	: Wear approved positive pressure self-contained breathing apparatus and firefighter protective clothing.
Further information	<ul> <li>Combustible particulate solid, will decompose under fire conditions.</li> <li>Calorific Value: 8000 - 11000 kcal/kg</li> <li>Fight fire from safe distance with hose lines or monitor nozzles Heat from fire may melt, decompose polymer, and generate flammable vapors.</li> <li>Move containers from fire area if it can be done without risk.</li> <li>Evacuate immediately in the event of opening of storage container pressure relief devices or discoloration of container.</li> <li>Always stay away from tanks engulfed in fire.</li> <li>Do not attempt to get on top of storage containers involved in fire.</li> <li>Cool storage containers with large volumes of water even afte fire is out.</li> </ul>
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	lyondellbasell
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. ACCIDENTAL RELEASE MEAS	SURES
Personal precautions	<ul> <li>Equip responders with proper protection.</li> <li>Creates dangerous slipping hazard on any hard smooth surface.</li> </ul>
	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.
	: May Contain trace amounts of light hydrocarbons, compounds of oxidation, aldehydes and acids
Environmental precautions	: Do not flush into surface water or sanitary sewer system.
Methods for containment / Methods for cleaning up	<ul> <li>On land, sweep/shovel into suitable disposal containers or vacuum using equipment which avoids ignition risk.</li> <li>On water, material is insoluble; collect and contain as any solid.</li> <li>All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with</li> </ul>
	applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible.
Handling and storage	
Precautions for safe handlin	ıg
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
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Lupolen 1840D			Gen. Variant:	SDS_US_GHS
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	Electrostat	ic charge may	build during conveyin	ig or handling.
		handling polyr (earthed) and b	ner should be condu	ctive and
	Metal conta		in the transfer of this	s material
	All electric	al equipment sl regulatory requ	nould conform to app uirements for areas h	
	After handl		sh hands thoroughly	with soap and
			al to processing temp	
	section 10.		se in the exhaust ve	
			dard for the Preventic Manufacturing, Proc	
	Handling o	f Combustible	Particulate Solids, for	r safe handling.
Fire-fighting class :	Polymer w	ill burn but doe:	s not easily ignite.	
Conditions for safe storage, in	cluding any	incompatibili	ties	
Requirements for storage : areas and containers	Use good and handlin should be Store away oxidizing a Keep conta	ng. Process en used to avoid e / from excessiv gents. ainer closed to	practices during stora closures and adequa excessive dust accun we heat and away from prevent contamination the build up of elec	ite ventilation nulation. m strong on.
:	with source Store eithe	es of heat. In the closed	e 140 °F, direct sunli original containers ir	•
	area or in s	silos with vents.		
Specific end use(s)				
:	See Section	n 1.		
8. EXPOSURE CONTROLS/PERSON	AL PROTE	CTION		
Control parameters				
Ingredients with workplace co	ntrol param	eters		
Occupational Exposure Limits				
Components CAS-No.	Туре	Limit Value	Basis Revision Date	Additional Information
	5	/ 13	2010	

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Materials that can be formed when handling this product: Non- specified (inert or nuisance) dust	TWA	10 mg/m3 inhalable	US (ACGIH) 2005	
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	<ul> <li>Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.</li> <li>When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.</li> <li>Use appropriate respiratory protection where atmosphere exceeds recommended limits.</li> <li>Where workers could be exposed to dust concentrations above the exposure limit they must use appropriate certified</li> </ul>
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	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 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	<ul> <li>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.</li> <li>Use good personal hygiene practices.</li> <li>Wash hands before eating, drinking, smoking, or using toilet facilities.</li> <li>Take off contaminated clothing and wash before reuse.</li> </ul>
9. PHYSICAL AND CHEMICAL	PROPERTIES
Appearance	: pellets solid
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 dust

Lower explosion limit : The minimum explosive concentration (MEC) for polymer dust varies according to particle size distribution.

Flammability (solid, gas) : Polymer will burn but does not easily ignite.

: Not applicable.

Oxidizing properties : Not considered an oxidizing agent.

Autoignition temperature : > 300 °C

Upper explosion limit

Decomposition temperature : not determined

Melting point/range : 50 - 170 °C

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/ersion 1.0 Revision Date	e 09/20/2021 Print Date 01/05/2022 SDS No.: BE8
Boiling point/boiling range	: Not applicable.
Vapor pressure	: Not applicable.
Density	: <1 g/cm3
Water solubility	: Insoluble.
Partition coefficient: n-	: No Data Available.
octanol/water 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	: Not expected to decompose under normal conditions.
products Thermal decomposition	: Carbon monoxide, olefinic and paraffinic compounds, trace amounts of organic acids, ketones, aldehydes and alcohols may be formed.
1. TOXICOLOGICAL INFORMAT	ΓΙΟΝ
Acute toxicity	
Acute oral toxicity	: Not classified
Acute inhalation toxicity	: Not classified
Acute dermal toxicity	: Not classified
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Skin corrosion/irritation	: Not a skin irritant.
Serious eye damage/eye irritation	: Not an eye irritant. Mechanical irritation is possible.
Respiratory or skin sensitization	: Not classified
Chronic toxicity	
Carcinogenicity	: Not classified
Caromogoniony	Not listed by IARC, NTP, OSHA or EPA.
Corm coll mutagonicity	: Not classified
Germ cell mutagenicity	
Reproductive toxicity	
Effects on fertility / Effects on or via lactation	: Not classified
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.
Target Organ Systemic Toxicant - Repeated exposure	: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Aspiration hazard	: Not applicable.
12. Ecological information	
Ecotoxicology Assessment	
Short-term (acute) aquatic hazard	: Not classified
Long-term (chronic) aquatic hazard	: Not classified
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Densisten en en dels medels ilite				
Persistence and degradability				
Biodegradability	: Not expected to be biodegradable.			
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 information	<ul> <li>Ecotoxicity is expected to be minimal based on the low water solubility of polymers.</li> <li>No data available on this product. However, birds, fish and other wildlife may eat pellets which may obstruct their intestinal tracts.</li> </ul>			
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				
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SAFETY DAT	A SHEET	Foncipia	istics.com	lyo	ndellbasel		
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Version 1.0	Revision Date 09/	/20/2021	Print Date 0	1/05/2022	SDS No.: BE8209		
Not regulated for the	ransport						
15. REGULATORY	' INFORMATION						
TSCA 12b							
No substances are subject to TSCA 12(b) export notification requirements.							
Significant New L	lse Rules (SNUR)						
No substances are subject to a Significant New Use Rule.							
SARA 302/304							
This product conta	ins no known chemi	cals regulate	ed under SARA	A 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.

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Version 1.0 Cou Aus Can Chir Euro Japa Kore New Phili Unit	Revision Date 09 Intry/Region tralia ada ada ppe an	Inventory AICS DSL	Status Complia	1/05/2022 SDS No.: BE820				
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Euro Japa Kore New Phili Unit	ppe an	IECSC	Complia					
Japa Kore New Phili Unit	an	DEAOU		Compliant				
Kore New Phili Unit		REACH ENCS	Complia	ACH Compliance Statement				
New Phili Unit		KECI	Complia					
Unit	/ Zealand	NZIoC	Complia					
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Materia	NFORMATION I safety datasheet secti	ons which have	e been upo	dated:				
First Edi	ition							
HMIS CI	assification :	Health Hazard: ( Flammability: 1 Physical hazards	-	0 1 0				
NFPA C	lassification :	Health Hazard: ( Fire Hazard: 1 Instability: 0	D					
Further	information							
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HMIS rating scale (0 = minimal hazard; 4 = severe hazard) NFPA rating scale (0 = minimal hazard; 4 = severe hazard)							
	Disclaimer						
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<u>Numerical Data Presentation</u> 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.							
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End of Material Safety Data Sheet							
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