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SAFETY DATA SHEET	Ponciplastics.com
SAFETY DATA SHEET	lyondellbasell
CirculenRecover PPCE	<b>KG 2268T F BL ACK</b> Gen. Variant: SDS_US_GHS
Version 1.0 Revision Date	
1. IDENTIFICATION OF THE SUBS	STANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
Trade name	: CirculenRecover PPC EKG 2268T E BLACK
CAS Number: Chemical characterization	: Mixture : Polypropylene polymers
Chemical name	: Polypropylene
Synonyms	: 1-Propene polymers, PP
Identified uses	: Manufacture of plastic articles by injection molding, extrusion or other conversion process.
Prohibited uses	: For R&D use only. Not for pharmaceutical, household or other uses.
Company Address Equistar Chemicals, LP LyondellBasell Tower, Suite 30 1221 McKinney St. P.O. Box 2583 Houston Texas 77252-2583	Customer Service 888 777-0232 product.safety@lyb.com
Emergency telephone number EQUISTAR 800-245-4532 E-mail address Responsible/issuing person	er : 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	
No additional information av	
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CirculenRecover PPCE Version 1.0 Revision Date 0		
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B. COMPOSITION/INFORMATION	ON INGREDIENTS	
Mixtures		
Components		
Chemical name	CAS-No.	<u>Weight %</u>
Mixture of Polypropylenes	Mixture	60.0 - 70.0 %
Proprietary blend of polyolefinic polymers	Mixture	1.0 - 5.0 %
residues of other polyolefins (po	a recycled material from pos	st-consumer waste and can contain lymers)
. FIRST AID MEASURES		
General advice	: Take proper precautions before attempting rescue	to ensure your own health and safety and providing first aid.
If inhaled	medical attention. In case of excessive inha during heating of this ma Obtain medical attention	air. If signs/symptoms continue, get alation of fumes that may be generated tterial, move the person to fresh air. cessary give Cardio-Pulmonary
In case of skin contact	large amounts of water to Do not attempt to peel po skin.	ts the skin, immediately flush with o cool the affected tissue and polymer. olymer from skin as this will remove the ency medical attention if burn is deep
In case of eye contact	: Flush eyes thoroughly w medical attention if disco	ith water for several minutes and seek omfort persists.
	minutes.	) with cool running water for at least 15 T attempt to remove the material
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If swallowed	: Adverse health effects due to ingestion are not anticipated.
Notes to physician	
Symptoms	: Inhalation of process fumes and vapors may cause sorene 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 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 hydrocarb (smoke).</li> </ul>
On a sigl protoctive convince and	
Special protective equipment for fire-fighters	: Wear approved positive pressure self-contained breathing apparatus and firefighter protective clothing.

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SAFETY DATA SHEET	Ponciplastics.com       Igendelibase         FKG 2268T F BLACK       Gen. Variant: SDS_US_GHS
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	fire is out.
. 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.
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> </ul>
	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.
. Handling and storage Precautions for safe handlin	na
Advice on safe handling	<ul> <li>Material is in a pellet form.</li> <li>If converted to small particles during further processing, handling, or by other means, may form combustible dust concentrations in air.</li> </ul>
	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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SAFETY DATA S				lyond	ellbasell
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	vision Date 05/ fe storage, incl storage :	Electrostat Equipment grounded ( Metal conta should be All electrica codes and combustibl After handl water. When bring may develor section 10. Refer to NF Dust Explo Handling o Polymer with <b>Iuding any</b> Store in a c Use good h and handlir should be	Print Date 02/ ic charge may b handling polym earthed) and bo ainers involved i grounded and bo al equipment sho regulatory requir e dusts. ing, always was ging the material p may condens FPA 654, Standa sions from the M f Combustible P II burn but does <b>incompatibiliti</b> dry location. nousekeeping pr ng. Process enc used to avoid ex	<ul> <li>24/2022 S</li> <li>uild during conveyinger should be conduinded.</li> <li>n the transfer of this conded.</li> <li>ould conform to apprements for areas</li> <li>h hands thoroughly</li> <li>to processing teme in the exhaust verse and for the Prevention (Annufacturing, Processing temes)</li> <li>articulate Solids, for not easily ignite.</li> <li>es</li> <li>ractices during stor losures and adequatices is a date of the store of the store</li></ul>	BDS No.: BE37368 and or handling. active and is material plicable electric handling r with soap and apperatures vapors entilation. See on of Fire and cessing, and or safe handling. r rage, transferring ate ventilation mulation.
Specific end use(	•	oxidizing a Keep conta	gents. ainer closed to p ures to prevent	heat and away fro prevent contaminati the build up of elec	on.
8. EXPOSURE CONTR Control parameters	OLS/PERSONA	L PROTE	CTION		
Ingredients with	vorkplace conf	rol parame	eters		
Occupational Exp	osure Limits				
Components	CAS-No.	Туре	Limit Value	Basis Revision Date	Additional Information
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Version 1.0 Revision Date 05	5/06/2021	Print Date 02/2	24/2022 S	DS No.: BE37368
Materials that can	TWA	10 mg/m3	US (ACGIH)	
be formed when		inhalable	2005	
handling this				
product: Non-				
specified (inert or				
nuisance) dust				
Materials that can	TWA	3 mg/m3	US (ACGIH)	
be formed when		respirable	2005	
handling this				
product: Non-				
specified (inert or				
nuisance) dust				
Materials that can	TWA	15 mg/m3	US (OSHA)	
be formed when		total dust	2005	
handling this				
product: Non-				
specified (inert or				
nuisance) dust				
Materials that can	TWA	5 mg/m3	US (OSHA)	
be formed when		respirable	2005	
handling this				
product: Non-				
specified (inert or				
nuisance) dust				

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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irculenRecover PPC	
ersion 1.0 Revision Date	05/06/2021 Print Date 02/24/2022 SDS No.: BE373
	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>
PHYSICAL AND CHEMICAL PF	ROPERTIES
Color	: black
Odor	: Slight.
Odor Threshold	: No value available.
Flash point	: No Data Available.
Lower explosion limit	: The minimum explosive concentration (MEC) for polymer dua 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

Melting point/range : 50 - 170 °C

Boiling point/boiling range : Not applicable.

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	EKG 2268T E BLACK Gen. Variant: SDS_US_G
rsion 1.0 Revision Dat	e 05/06/2021 Print Date 02/24/2022 SDS No.: BE3
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.
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 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 INFORMA	TION
Acute toxicity	
Acute oral toxicity	: Not classified
Acute inhalation toxicity	: Not classified
Acute dermal toxicity	: Not classified
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AFETY DATA SHEET	Poncipla	stics.com	lyondellbase
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ersion 1.0 Revision Date	05/06/2021	Print Date 02/2	24/2022 SDS No.: BE37
Skin corrosion/irritation	: Not a skin i	rritant	
Conierro erro domono /orro	. Not on ove	imitent	
Serious eye damage/eye irritation	: Not an eye Mechanical	irritation is poss	ible.
Respiratory or skin	: Not classifie	ed	
sensitization			
Chronic toxicity			
Component Name	NTP	IARC	OSHA
Carbon Black		2B	Present
	<b></b>		
Carcinogenicity	: Not classifie	ed	
			I conditions of use, transportation
Germ cell mutagenicity	and storage	).	
Reproductive toxicity	and storage	ed	
	and storage	ed	
Reproductive toxicity Effects on fertility /	and storage	ed ed	
<b>Reproductive toxicity</b> Effects on fertility / Effects on or via lactation	and storage : Not classifient : Not classifient : Not classifient : The substa	ed ed ed	not classified as specific target
Reproductive toxicity Effects on fertility / Effects on or via lactation Effects on Development Target Organ Systemic	and storage : Not classifie : Not classifie : Not classifie : The substa organ toxic : The substa	ed ed nce or mixture is ant, single expos	not classified as specific target ure. not classified as specific target
Reproductive toxicity Effects on fertility / Effects on or via lactation Effects on Development Target Organ Systemic Toxicant - Single exposure Target Organ Systemic Toxicant - Repeated	and storage : Not classifie : Not classifie : Not classifie : The substa organ toxic : The substa	ed ed ed nce or mixture is ant, single expos nce or mixture is ant, repeated exp	not classified as specific target ure. not classified as specific target
Reproductive toxicity Effects on fertility / Effects on or via lactation Effects on Development Target Organ Systemic Toxicant - Single exposure Target Organ Systemic Toxicant - Repeated exposure Aspiration hazard	<ul> <li>and storage</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>The substate organ toxic</li> <li>The substate organ toxic</li> </ul>	ed ed ed nce or mixture is ant, single expos nce or mixture is ant, repeated exp	not classified as specific target ure. not classified as specific target
Reproductive toxicity Effects on fertility / Effects on or via lactation Effects on Development Target Organ Systemic Toxicant - Single exposure Target Organ Systemic Toxicant - Repeated exposure Aspiration hazard	<ul> <li>and storage</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>The substate organ toxic</li> <li>The substate organ toxic</li> </ul>	ed ed ed nce or mixture is ant, single expos nce or mixture is ant, repeated exp ble.	not classified as specific target ure. not classified as specific target
Reproductive toxicityEffects on fertility / Effects on or via lactationEffects on DevelopmentTarget Organ Systemic Toxicant - Single exposureTarget Organ Systemic Toxicant - Repeated exposureAspiration hazardEcological informationEcology Assessment	<ul> <li>and storage</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>The substate organ toxic</li> <li>The substate organ toxic</li> <li>Not applicate</li> <li>Not applicate</li> <li>Not classified</li> </ul>	ed ed ed nce or mixture is ant, single expos nce or mixture is ant, repeated exp ble.	not classified as specific target ure. not classified as specific target

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Long-term (chronic) aquatic hazard	: Not classified
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.
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CirculenRecover	<b>PPCEKG2268</b>	<b>TEBLACK</b>
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Gen. Variant: SDS\_US\_GHS 22 SDS No.: BE37368

# **14. TRANSPORT INFORMATION**

Not regulated for transport

# 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 may contain trace levels of the following chemical substance(s) regulated under California Proposition 65. However, LyondellBasell has not tested for the presence of listed chemical substances. It is the responsibility of the California business owner to develop his or her own regulatory compliance plan. Contact Product Safety for further information at product.safety@lyb.com.

Substance	CASRN	Type of Toxicity			
		Carcinogen	Developmental	Repro-Male	Repro- Female
Mercury	7439-97-6		Х		
Lead	7439-92-1	Х	Х	Х	Х
Cadmium	7440-43-9	Х	Х	Х	
Chromium	7440-47-3	Х			
Nickel	7440-02-0	Х			
Arsenic	7440-38-2	Х			
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This product contains the following chemicals regulated by New Jersey's Worker and Community Right to Know Act:

1333-86-4 Carbon Black

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

This product contains the following chemicals regulated by Pennsylvania's Right to Know Act:

108-31-6 Maleic Anhydride

# 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.

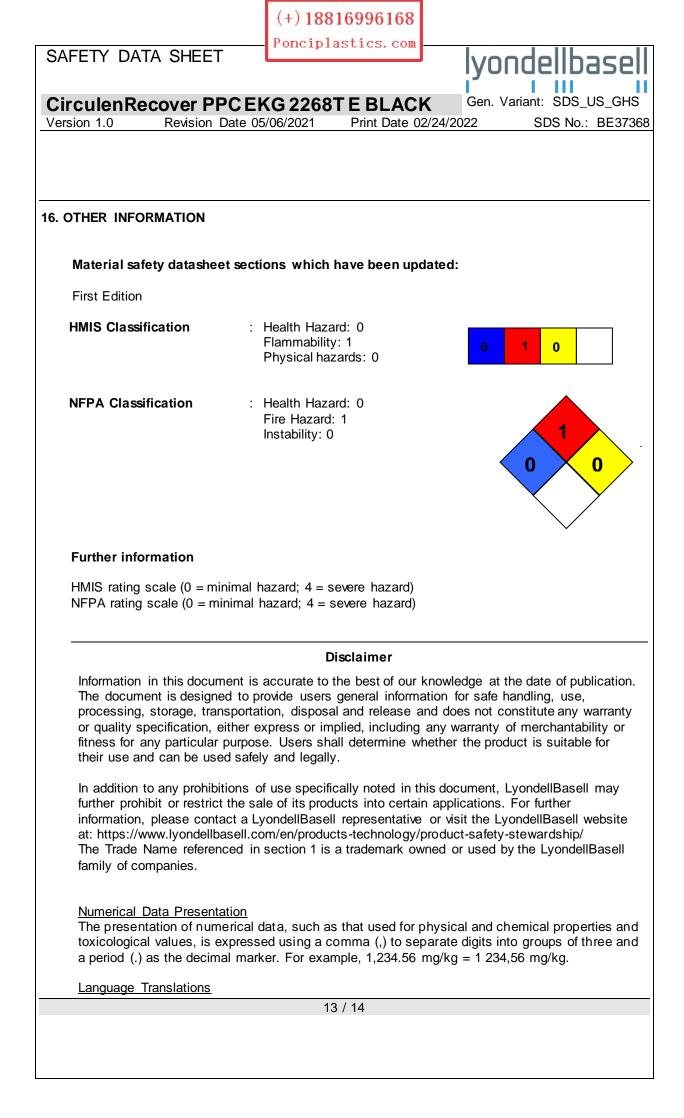
Country/Region	Inventory	Status Description
Australia	AICS	Not Compliant
Canada	DSL	Not Compliant
China	IECSC	Not Compliant
Europe	REACH	See REACH Compliance Statement
Japan	ENCS	Not Compliant
Korea	KECI	Not Compliant
New Zealand	NZIoC	Not Compliant
Philippines	PICCS	Not Compliant
United States of America	TSCA	Not Compliant
Taiwan	TCSCA	Not 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)

\*For use by laboratories for research., This product contains a chemical substance which is subject to a Research & Development (R&D) exemption. The chemical substance is not listed on the latest version of the chemical inventory. All applicable restrictions and/or notifications under the R&D requirements apply. Contact Product Safety for additional information.

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



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		2/24/2022 3D3 No BE37300				
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End	of Material Safety Data S	sheet				

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