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SAFETY DATA SHEET	Ponciplastics.com
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CirculenRecover PPC	EKC 2269T E BLACK Gen. Variant: SDS_US_GHS
	07/01/2021 Print Date 02/24/2022 SDS No.: BE373
. IDENTIFICATION OF THE SUB	STANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
Trade name	: CirculenRecover PPC EKC 2269T E BLACK
CAS Number:	: Mixture
Chemical name	: Compounded polyolefin
Synonyms	: Polyolefin, Compounded polymer
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
Company Address	Company Telephone
Equistar Chemicals, LP	Customer Service 888 777-0232
LyondellBasell Tower, Suite 3	00 product.safety@lyb.com
1221 McKinney St.	
P.O. Box 2583 Houston Texas 77252-2583	
Houston Texas Tr232-2305	
Emergency telephone numb EQUISTAR 800-245-4532	<u>per</u>
E-mail address	: product.safety@lyb.com
Responsible/issuing person	
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
Other hazards	concentrations in air.
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No additional information avai		
3. COMPOSITION/INFORMATION O	IN INGREDIENTS	
Components		
Chemical name	CAS-No.	<u>Weight %</u>
Proprietary blend of polyolefinic polymers	Mixture	>= 60.0 %
The mixture of Polypropylene is residues of other polyolefins (pol Contains: Additives, stabilizers a	yethylene and other (co-)poly	-consumer waste and can contain mers)
4. FIRST AID MEASURES		
General advice	: Take proper precautions to before attempting rescue a	o ensure your own health and safety and providing first aid.
If inhaled	medical attention. In case of excessive inhala during heating of this mate Obtain medical attention.	r. If signs/symptoms continue, get ation of fumes that may be generated rial, move the person to fresh air. essary give Cardio-Pulmonary
In case of skin contact	large amounts of water to o Do not attempt to peel poly skin.	the skin, immediately flush with cool the affected tissue and polymer. mer from skin as this will remove th ncy medical attention if burn is deep
In case of eye contact	: Flush eyes thoroughly with medical attention if discom	water for several minutes and seek fort persists.
	minutes.	with cool running water for at least 1
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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 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 symptoms and the clinical condition of the patient.
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	: Keep away from heat and sources of ignition.
fighting	In case of fire hazardous decomposition products may be produced such as: Carbon monoxide, carbon dioxide and unburned hydrocarbo (smoke).
	In case of fire hazardous decomposition products may be produced such as: Carbon monoxide, carbon dioxide and unburned hydrocarbo
fighting Special protective equipment	 In case of fire hazardous decomposition products may be produced such as: Carbon monoxide, carbon dioxide and unburned hydrocarbo (smoke). : Wear approved positive pressure self-contained breathing

SAFETY DATA SHEET CirculenRecover PPCE Version 1.0 Revision Date	Ponciplastics.com
	EKC 2269T E BLACK Gen. Variant: SDS_US_GHS
	fire is out.
. ACCIDENTAL RELEASE MEAS	URES
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 with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible.
. Handling and storage Precautions for safe handling	a
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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Fire-fighting class		Equipment grounded (Metal conta should be a All electrica codes and combustibl After handl water. When bring may develo section 10. Refer to NF Dust Explo Handling o	handling polym earthed) and bo ainers involved grounded and b al equipment sh regulatory requi e dusts. ing, always was ging the materia op may condens FPA 654, Stand sions from the I f Combustible F	in the transfer of th onded. ould conform to ap irements for areas in hands thorough! I to processing ten be in the exhaust w ard for the Preventi Manufacturing, Pro Particulate Solids, for	uctive and his material oplicable electric handling y with soap and hperatures vapors entilation. See ion of Fire and bcessing, and
Fire-fighting class		·		not easily ignite.	
Conditions for sa	-		-	ies	
Requirements for s areas and containe	-	Use good I and handlin should be Store away oxidizing a Keep conta	ng. Process end used to avoid ex / from excessive gents. ainer closed to p	ractices during sto closures and adequ ccessive dust accu heat and away fro prevent contaminat the build up of ele	uate ventilation imulation. om strong ion.
Specific end use(5)				
	:	See Sectio	n 1.		
8. EXPOSURE CONTR	OLS/PERSON/	AL PROTE	CTION		
Control parameters					
Ingredients with v	vorkplace con	trol paramo	eters		
Occupational Exp					
Components	CAS-No.	Туре	Limit Value	Basis Revision Date	Additional Information
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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	T A / A	Б. на а/на 0		
Materials that can	TWA	5 mg/m3	US (OSHA) 2005	
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

Personal protective equipment

(i.e., there is no leakage from the 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
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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	 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: pellets solid
Color	: black
Odor	: Slight.
Odor Threshold	: No value available.
Flash point	: No Data Available.
Lower explosion limit	: The minimum explosive concentration (MEC) for polymer dust 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
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Boiling point/boiling range	: Not applicable.
Vapor pressure	: Not applicable.
Density	: > 1 g/cm3
Water solubility	: Insoluble.
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.
10. 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.	
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products	
Thermal decomposition	: Carbon monoxide, olefinic and paraffinic compounds, trace amounts of organic acids, ketones, aldehydes and alcohols may be formed.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity	: Not classified
Acute inhalation toxicity	: Not classified
Acute dermal toxicity	: Not classified

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					<u></u>		
Ski	in corrosion/irritatior	n :	Not a skin i	rritant.			
So	rious eye damage/ey		Not an eye	irritant			
	tation			irritation is po	ssible.		
Bo	spiratory or skin		Not classifie	d			
	spiratory or skin	•	NUL CIASSIII	u			
Ch	ronic toxicity						
GI							-
	Component Name Carbon Black	1	NTP	IARC 2B		OSHA Present	-
	Crystalline Silica	known a	as a human				-
	(quartz)	card	cinogen	1		Present	
Ca	rcinogenicity	:	Not classifie	ed			
			This we start			ermoplastic res	
				ise under norr		ons of use, trans	
Ge	rm cell mutagenicity	:	Not classifie	ed			
Re	productive toxicity						
	ects on fertility /	-	Not classifie	ed			
Επe	ects on or via lactatior	1					
Effe	ects on Development	:	Not classifie	ed			
	rget Organ Systemic					sified as specifi	c target
102	xicant - Single expos	sure	organ toxica	ant, single exp	osure.		
	rget Organ Systemic xicant - Repeated	:		nce or mixture ant, repeated		sified as specifi	c target
	posure			ant, repeated	exposure.		
Asp	piration hazard	:	Not applicat	ole.			
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2. Ecological information	
Ecotoxicology Assessment	
Short-term (acute) aquatic	: Not classified
hazard Long-term (chronic)	: Not classified
aquatic hazard	
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 advarce offecto	
Other adverse effects	
Environmental fate and	: This material is not volatile and insoluble in water.
pathways	
Other information	
Additional ecological	: Ecotoxicity is expected to be minimal based on the low water
information	solubility of polymers. No data available on this product. However, birds, fish and
	other wildlife may eat pellets which may obstruct their intestinal tracts.
	intestinal fracts.
3. Disposal considerations	
-	
Waste treatment methods Product	· All recovered, meterial should be peakered, labeled
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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14. TRANSPORT INFORMATION					
Not regulated for transport					
15. REGULATORY INFORMATION					
TSCA 12b					
No substances are subject to TSCA	12(b) export	notification requ	irements.		

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	
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Cadmium	7440-43-9	Х	Х	Х	
Chromium	7440-47-3	Х			
Nickel	7440-02-0	Х			
Arsenic	7440-38-2	Х			

This product contains the following chemicals regulated by New Jersey's Worker and Community Right to Know Act:

14807-96-6	Talc, Magnesium Silicate
1333-86-4	Carbon Black
14808-60-7	Crystalline Silica (quartz)

This product contains the following chemicals regulated by Massachusetts' Right to Know Law:

14807-96-6	Talc, Magnesium Silicate
14808-60-7	Crystalline Silica (quartz)

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

14807-96-6 Talc, Magnesium Silicate

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)

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

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16. OTHER INFORMATION				
Material safety datasheet s	ections which have been up	dated:		
First Edition				
HMIS Classification	: Health Hazard: 0			
	Flammability: 1 Physical hazards: 0	0 1 0		
		•		
NFPA Classification	: Health Hazard: 0 Fire Hazard: 1			
	Instability: 0			
		\checkmark		
Further information				
HMIS rating scale (0 = minima NFPA rating scale (0 = minim				
	ai fiazaiu, 4 – Severe fiazaiu)			
	Disclaimer			
		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				
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Numerical Data Presentation		physical and chemical properties and		
The presentation of numerical data, such as that used for physical and chemical properties and 13 / 14				

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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			
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