	- F	(+) 188	16996168		
SAFETY DATA SHEET		Poncipl	16996168 astics.com		مطوالهمجوال
according to Regulation (EC) No.	1907/20	106		i iyu	ndellbasell
CirculenRenew C14 LD	02420	DF		Gen.	Variant: SDS_AT
Version 1.0 Revision Dat	e 09/15	/2021	Print Date 01	/05/2022	SDS No.: BE43063
1. Identification of the substance	/mixtur	e and of t	he company/u	ndertaking	
1.1 Product identifier	0.			_	
Trade name Synonyms			w C14 LD2420F polymer, PE	-	
Substance name	: Pol	lyethylene			
Substance No. Chemical characterization		02-88-4 Ivethvlene	Homopolymer		
1.2 Relevant identified uses of th					-
Identified uses			ersion process.	s by injectior	n molding, extrusion
Prohibited uses	dev Apj	vices; Heal plications i	th Canada clas	s IV Medical nent implanta	class III medical Devices; ation into the body;
1.3 Details of the supplier of the	safety				
Company Basell Sales & Marketing Compa Delftseplein 27E 3013 AA Rotterdam Netherlands	any B.V.		egistration nur A	nber	Telephone 31 (0) 10 275 55 00
E-mail address Responsible/issuing person	: produ	uct.safety@	≬lyb.com		
1.4 Emergency telephone numbe	er				
Basell Sales & Marketing Compa	iny B.V.				+32 3 575 1235
Poison Center: Gesundheid Österreich GMBH AT: +43 1 406 43 43 24 hours all days					
		1/	/ 16		
		. ,			

SAFETY	DATA	SHEET	

(+) 18816996168

Ponciplastics.com

according to Regulation (EC) No. 1907/2006

CirculenRenew C14 LD2420F

Version 1.0

Revision Date 09/15/2021

Print Date 01/05/2022

SDS No.: BE43063

lvondellbasell

Gen. Variant: SDS AT

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2.3 Other hazards

If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.

May decompose releasing irritating and toxic gases.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

3. Composition/information on ingredients

3.1 Substances

Components

Chemical name	CAS-No. EINECS-No. / ELINCS No./EC-No.	<u>Weight %</u>	Component Type
Polyethylene	9002-88-4	<=100.0 %	

4. First aid measures

4.1 Description of first-aid measures

General advice	: Take proper precautions to ensure your own health and safety
	before attempting rescue and providing first aid.

If inhaled : Remove person to fresh air. If signs/symptoms continue, get

 $(+)\,18816996168$

Ponciplastics.com



CirculenRenew C14 L	D2420F	Gen. V	ariant: SDS_AT
	ate 09/15/2021	Print Date 01/05/2022	SDS No.: BE4306
In case of skin contact	generated o fresh air. Obtain med Keep perso Resuscitatio	excessive inhalation of fumes th during heating of this material, r ical attention. n warm, if necessary give Card on (CPR) aterial contacts the skin, immed	nove the person to lio-Pulmonary diately flush with
	polymer. Do not atter the skin.	nts of water to cool the affected mpt to peel polymer from skin a ediate emergency medical atte e.	as this will remove
In case of eye contact	medical attention : In case of e Continuousl 15 minutes. Beyond flus adherent to	hing, DO NOT attempt to remo	r: g water for at least
If swallowed	: Adverse hea	alth effects due to ingestion are	e not anticipated.
.2 Most important symptoms	and effects, both	acute and delayed	
Symptoms		f process fumes and vapors ma and throat and coughing.	ay cause soreness
Hazards		t with the eyes can lead to mea mer may cause thermal burns.	chanical irritation.
.3 Indication of any immediat	e medical attentio	on and special treatment nee	ded
Treatment		of overexposure should be direct and the clinical condition of the	
5. Fire-fighting measures			
5.1 Extinguishing media			
		3 / 16	
		5/10	

SAFETY	DATA	SHEFT

 $(+)\,18816996168$

Ponciplastics.com



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. 5.2 Special hazards arising from the substance or mixture 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 hydrocarbons (smoke). 5.3 Advice for firefighters : 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 nozzles. Heat from fire may melt, decompose polymer, and generate filammable wapors. Move container pressure relief devices or discoloration of container. Always stay away from fine 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 thas 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. Accidental release measures : Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protective		
Use dry chemical, CO2, or water spray. : LARGE FIRES: Use water spray hose nozzles from a safe location. Unsuitable extinguishing : None known. media 5.2 Special hazards arising from the substance or mixture Specific hazards during fire : 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 hydrocarbons (smoke). 5.3 Advice for firefighters Special protective equipment : 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 nozzles. Heat from fire may melt, decompose polymer, and generate fiammable 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. 5.4 Cetidental release measures S.1 Personal precautions, protective equipment and emergency procedures Personal precautions : Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protective.		
Use dry chemical, CO2, or water spray. : LARGE FIRES: Use water spray hose nozzles from a safe location. Unsuitable extinguishing media :2 Special hazards arising from the substance or mixture Special 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 hydrocarbons (smoke). :3 Advice for firefighters 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 nozzles. Heat from fire may melt, decompose polymer, and generate firammable 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. : Accidental release measures S:1 Personal precautions, protective equipment and emergency procedures Personal precautions is certained in grapers with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protective		
Unsuitable extinguishing media : None known. 5.2 Special hazards arising from the substance or mixture 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 hydrocarbons (smoke). 5.3 Advice for firefighters : Wear approved positive pressure self-contained breathing apparatus and firefighter protective clothing. Further information : Ornbustible particulate solid, will decompose under fire conditions. Calorific Value: 8000 - 11000 kcal/kg Fight fire from safe distance with hose lines or monitor nozzles. 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. S. Accidental release measures : Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip mergency responders with proper personal protective	Suitable extinguishing media	Use dry chemical, CO2, or water spray. : LARGE FIRES:
media 5.2 Special hazards arising from the substance or mixture Specific hazards during fire : 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 hydrocarbons (smoke). 5.3 Advice for firefighters : Wear approved positive pressure self-contained breathing apparatus and firefighter protective clothing. Further information : Ornbustible particulate solid, will decompose under fire conditions. Calorific Value: 8000 - 11000 kcal/kg Fight fire from safe distance with hose lines or monitor nozzles. 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. 5. Accidental release measures : Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protective		Use water spray hose nozzles from a safe location.
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 hydrocarbons (smoke). 5.3 Advice for firefighters : Wear approved positive pressure self-contained breathing apparatus and firefighter protective clothing. Further information : 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 nozzles. Heat from fire may melt, decompose polymer, and generate flarmable vapors. Move containers from fire area if it can be done without risk. Evacuate immediately in the event of opening of storage 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. 5. Accidental release measures : Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protective	media	
fighting In case of fire hazardous decomposition products may be produced such as: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). 3.3 Advice for firefighters Special protective equipment for fire-fighters 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 nozzles. 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. Fuersonal precautions, protective equipment and emergency procedures Personal precautions : Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protective		
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 nozzles. 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. S. Accidental release measures : Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protective		In case of fire hazardous decomposition products may be produced such as: Carbon monoxide, carbon dioxide and unburned
for fire-fighters 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 nozzles. 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. 6. Accidental release measures : Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protective	.3 Advice for firefighters	
 conditions. Calorific Value: 8000 - 11000 kcal/kg Fight fire from safe distance with hose lines or monitor nozzles. 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. 6. Accidental release measures 6.1 Personal precautions, protective equipment and emergency procedures Personal precautions Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protective 		
5.1 Personal precautions, protective equipment and emergency procedures Personal precautions : Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protective	Further information	 conditions. Calorific Value: 8000 - 11000 kcal/kg Fight fire from safe distance with hose lines or monitor nozzles. 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
Personal precautions : Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protective	. Accidental release measures	
Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protective	.1 Personal precautions, protect	tive equipment and emergency procedures
Equip emergency responders with proper personal protective	Personal precautions	Creates dangerous slipping hazard on any hard smooth
		Equip emergency responders with proper personal protective
4 / 16		4 / 16

 $(+)\,18816996168$

Ponciplastics.com



)2420F	Ge	en. Variant: SDS_AT
Version 1.0 Revision Dat	e 09/15/2021	Print Date 01/05/2022	SDS No.: BE430
	with comprese Potential cor Polymer part surfaces. : May Contain	ating dust. sal of dust in the air (i.e.,	ard on hard smooth
6.2 Environmental precautions			
Environmental precautions	: Do not flush	into surface water or san	itary sewer system.
6.3 Methods and materials for co	ontainment and o	cleaning up	
Methods for containment / Methods for cleaning up	vacuum usin On water, m solid. All recovered transported a applicable la	eep/shovel into suitable d ag equipment which avoids aterial is insoluble; collect and disposed of or reclain ws and regulations and ir practices. Reclaim where	aged, labeled, ned in conformance with conformance with
7. Handling and storage			
7.1 Precautions for safe handling	g		
Advice on safe handling	If converted handling, or concentration Avoid dust a Avoid genera presence of hazard. Static discha environments explosion Electrostatic	accumulation in enclosed s ating dust; fine dust suspe an ignition source is a pol arge (spark), or other ignit s may ignite the dust and charge may build during handling polymer should b	n combustible dust space. ended in air and in the tential dust explosion ion sources, in high dust result in a dust conveying or handling.
		arthed) and bonded.	

 $(+)\,18816996168$

Ponciplastics.com



CirculenRenew C14 L	D2420F Gen. Variant: SDS_AT
	ate 09/15/2021 Print Date 01/05/2022 SDS No.: BE4306
	Metal containers involved in the transfer of this material should be grounded and bonded. All electrical equipment should conform to applicable electric codes and regulatory requirements for areas handling combustible dusts. After handling, always wash hands thoroughly with soap and water. When bringing the material to processing temperatures vapors may develop may condense in the exhaust ventilation. See
Fire-fighting class	section 10. Polymer will burn but does not easily ignite.
2 Conditions for sofo storage	including any incompatibilities
•	, including any incompatibilities
Requirements for storage areas and containers	 Store in a dry location. Use good housekeeping practices during storage, transferring and handling. Process enclosures and adequate ventilation should be used to avoid excessive dust accumulation. Store away from excessive heat and away from strong oxidizing agents. Keep container closed to prevent contamination. Take measures to prevent the build up of electrostatic charge.
	 Maximum allowed storage temperatures of 50°C for maximum 60 days. Avoid direct insufflation of air. Avoid direct sunlight and contact with sources of heat. Store either in the closed original containers in well ventilated area or in silos with vents.
'.3 Specific end use(s)	
	: See Section 1.2.
3. Exposure controls/personal 3.1 Control parameters Ingredients with workplace Occupational Exposure Lin	e control parameters
	6 / 16

 $(+)\,18816996168$

Ponciplastics.com



according to Regulation (EC) No. 1907/2006

CirculenRer	new C14 LD2420F	Gen. Va	riant: SDS_AT
Version 1.0	Revision Date 09/15/2021	Print Date 01/05/2022	SDS No.: BE43063

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

Consult local authorities for acceptable exposure limits.

8.2 Exposure controls

Engineering measures

Follow the recommendations in international standard 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. 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
	7 / 16

 $(+)\,18816996168$

Ponciplastics.com



	Date 09/15/2021	Print Date 01/05/2022	SDS No.: BE4
	not out of the		
	potential for	contact with heated material.	
Eye and face protection	injury or oth	e goggles should be worn to p her irritation to eyes due to airb from handling this product.	
Skin and body protection	: Wear suitat	ble protective clothing.	
Hygiene measures	be based o of the prote performed, hazards and during use. Use good p Wash hand facilities.	f appropriate personal protective n an evaluation of the performan ctive equipment relative to the conditions present, duration of d/or potential hazards that may personal hygiene practices. s before eating, drinking, smol- ntaminated clothing and wash	tack (s) to be f use, and the be encountered king, or using toilet
Environmental exposur	e controls		
Concret advise			
General advice	: See section	n 6.	
hysical and chemical pr	operties		
hysical and chemical pr	operties		
hysical and chemical pr nformation on basic ph	operties ysical and chemical : pellets	properties	
hysical and chemical pr nformation on basic ph Appearance	operties ysical and chemical : pellets solid	properties	
hysical and chemical pr nformation on basic ph Appearance Color	operties ysical and chemical : pellets solid : Translucent	properties	
hysical and chemical pr nformation on basic ph Appearance Color Odor	operties ysical and chemical : pellets solid : Translucent : Slight. : No Data Av : The minimu	properties	
hysical and chemical pr nformation on basic ph Appearance Color Odor Flash point	operties ysical and chemical : pellets solid : Translucent : Slight. : No Data Av : The minimu	properties to white railable. um explosive concentration (MI rding to particle size distributio	
hysical and chemical pr nformation on basic ph Appearance Color Odor Flash point Lower explosion limit	operties ysical and chemical : pellets solid : Translucent : Slight. : No Data Av : The minimu varies acco : Not applical	properties to white railable. um explosive concentration (MI rding to particle size distributio	n.
hysical and chemical pr nformation on basic ph Appearance Color Odor Flash point Lower explosion limit Upper explosion limit	operties ysical and chemical : pellets solid : Translucent : Slight. : No Data Av : The minimu varies acco : Not applical : Polymer wil	properties to white railable. Im explosive concentration (MI rding to particle size distributio ble.	n.
hysical and chemical pr nformation on basic ph Appearance Color Odor Flash point Lower explosion limit Upper explosion limit Flammability (solid, gas)	operties ysical and chemical : pellets solid : Translucent : Slight. : No Data Av : The minimu varies acco : Not applical : Polymer wil : Not conside	I properties to white ailable. Im explosive concentration (MI rding to particle size distribution ble.	n.

 $(+)\,18816996168$

	D2420F Gen. Variant: SDS AT
CirculenRenew C14 L /ersion 1.0 Revision Da	D2420F Gen. variant. SDS_AT ate 09/15/2021 Print Date 01/05/2022 SDS No.: BE430
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.
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.
0.2 Other information	
Other information	: No additional information available.
0. Stability and reactivity	
0.1 Reactivity	
No known reactivity hazards.	
0.2 Chemical stability	
Stable under normal condition	ns.
0.3 Possibility of hazardous re	
Hazardous reactions	: Will not occur.
0.4 Conditions to avoid	
Conditions to avoid	: Avoid contact with strong oxidizers, excessive heat, sparks or
	9 / 16

Version 1.0

products

(+) 18816996168

Ponciplastics.com

according to Regulation (EC) No. 1907/2006

lyondellbasell Gen. Variant: SDS AT CirculenRenew C14 LD2420F Revision Date 09/15/2021 Print Date 01/05/2022 SDS No.: BE43063 open flame. 10.5 Incompatible materials Materials to avoid : Material may be softened by some hydrocarbons. **10.6 Hazardous decomposition products** Hazardous decomposition : Not expected to decompose under normal conditions. : Note: Carbon monoxide, olefinic and paraffinic compounds, Thermal decomposition trace amounts of organic acids, ketones, aldehydes and alcohols may be formed. 11. Toxicological information 11.1 Information on toxicological effects 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 : Not an eye irritant. irritation Mechanical irritation is possible. Respiratory or skin : Not classified sensitization Chronic toxicity

Carcinogenicity

: Not classified

	(+) 18816996168			
SAFETY DATA SHEET	(+) 18816996168 Ponciplastics.com	lvoodollbacoll		
according to Regulation (EC) No. 1907/2	2006	lyondellbasell		
CirculenRenew C14 LD2420F Gen. Variant: SDS_AT				
Version 1.0 Revision Date 09/1	15/2021 Print Date 01/	05/2022 SDS No.: BE43063		
Germ cell mutagenicity : N	lot classified			
Reproductive toxicity				
Effects on fertility / : N Effects on or via lactation	lot classified			
	lot classified			
Target Organ Systemic Toxicant -	Target Organ Systemic Toxicant - Single exposure			
	he substance or mixture is r rgan toxicant, single exposu	not classified as specific target re.		
Target Organ Systemic Toxicant - Repeated exposure				
	he substance or mixture is r rgan toxicant, repeated expo	not classified as specific target osure.		
Aspiration hazard : N	lot applicable.			
12. Ecological information				
12.1 Ecotoxicology Assessment Short-term (acute) aquatic : N	lot classified			
hazard				
Long-term (chronic) : N aquatic hazard	lot classified			
12.2 Persistence and degradability				
Biodegradability : N	lot expected to be biodegrad	able.		
12.3 Bioaccumulative potential				
Bioaccumulation : T	his material is not expected	to bioaccumulate.		
12.4 Mobility in soil				
	11 / 16			

	(+) 18816996168		
SAFETY DATA SHEET according to Regulation (EC) No.	Ponciplastics.com lyondellbasell		
CirculenRenew C14 LD2420F Gen. Variant: SDS_AT Version 1.0 Revision Date 09/15/2021 Print Date 01/05/2022 SDS No.: BE43063			
Mobility	: no data available		
12.5 Results of PBT and vPvB a	ssessment		
Result	: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).		
12.6 Other adverse effects			
Environmental fate and pathways	: This material is not volatile and insoluble in water.		
12.7 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			
13.1 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.		
14. Transport information			
Not regulated for transport			
	12 / 16		

(+) 18816996168

Ponciplastics.com

according to Regulation (EC) No. 1907/2006

CirculenRenew C14 LD2420F

Version 1.0

Revision Date 09/15/2021

Print Date 01/05/2022

SDS No.: BE43063

lvondellbasell

Gen. Variant: SDS AT

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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 the chemical substance in this product has been registered under REACh, in accordance with the deadlines set forth in REACh. (Regulation (EU) No. 1907/2006)

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
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

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

15.2 Chemical safety assessment

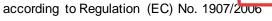
No information available.

16. OTHER INFORMATION

Material safety datasheet sections which have been updated:

 $(+)\,18816996168$

Ponciplastics.com



CirculenRenew C14 LD2420F

Version 1.0

Revision Date 09/15/2021

Print Date 01/05/2022

SDS No.: BE43063

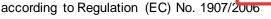
lyondellbasell

Gen. Variant: SDS_AT

First Edition	
Abbreviations and Acronyms	
ACGIH - American Conference of C ACGIH_BEIs - American Conference Indices	Governmental Industrial Hygienists e of Governmental Industrial Hygienists_Biological Exposure
BEL - Biological Exposure Limits BTEX - Benzene, Toluene, Ethylbe CAS - Chemical Abstracts Service	nzene, Xylenes
CEFIC - European Chemical Indus CLP - Classification Packaging and	
COC - Cleveland Open-Cup CS - Consumer Scenario	
DIN - Deutsches Institut für Normur DN(M)EL - Derived No (Minimal) E	ffect Level
DSL - Canada Domestic Substance EC - European Commission EC50 - Median Effective Concentra	
ECHA - European Chemicals Agen	otoxicology and Toxicology of Chemicals cy
EL50 - Effective Loading fifty ELINCS - EHR-Lab Interoperability ENCS - Japanese Existing and New	
ERC - Environmental Release Cate EUSES - European Union System	egory
• •	n of Classification and Labelling of Ch
IARC - International Agency for Re IATA - International Air Transport A IC50 - Inhibitory Concentration fifty	ssociation
IMDG - International Maritime Dang IECSC - Chinese Chemicals Invent	gerous Goods
	cposure Limit Values nethod N° 346 for the determination of polycyclic aromatics
DMSO-extractables KECI - Korea Existing Chemicals Ir Koc - Organic Carbon/Water Partiti	
LC50 - Lethal Concentration fifty LD50 - Lethal Dose fifty per cent.	
LL/EL/IL - Lethal Loading/Effective LL50 - Lethal Loading fifty	Loading/Inhibitory Loading

(+) **18816996168**

Ponciplastics.com



CirculenRenew C14 LD2420F

Version 1.0

Revision Date 09/15/2021

Print Date 01/05/2022

SDS No.: BE43063

lvondellbasell

Gen. Variant: SDS AT

MAK Commission - Permanent Senate Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area MARPOL - International Convention for the Prevention of Pollution from Ships No. - Number NOEC/NOEL - No Observed Effect Concentration / No Observed Effect Level NZIoC - New Zealand Inventory of Chemicals OE_HPV - Occupational Exposure - High Production Volume OECD - Organization for Economic Co-operation and Development **OEL - Occupational Exposure Limit** PBT - Persistent, Bio accumulative and Toxic PICCS - Philippine Inventory of Chemicals and Chemical Substances PNEC - Predicted No Effect Concentration **PPE - Personal Protective Equipment** PROC - Process Category QSAR - Quantitative Structure-Activity Relationship REACH - Registration Evaluation and Authorization of Chemicals RID - Regulations Relating to International Carriage of Dangerous Goods by Rail SDS - Safety Data Sheet SKIN DES - Skin Designation STEL - Short term exposure limit STP - Standard Temperature and Pressure TCSCA - Taiwan inventory of chemicals TGD - Technical Guidance Document TRA - Targeted Risk Assessment TSCA - US Toxic Substances Control Act TWA - Time-Weighted Average **UN - United Nations** vPvB - very Persistent and very Bioaccumulative

WGK - German Water Endangerment Class

Disclaimer

Multiple legal entities and registration numbers may be displayed in Section 1. The Recipient shall refer to the shipping documents to identify the legal entity that supplied this product.

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/

(+) **18816996168**

Ponciplastics.com

according to Regulation (EC) No. 1907/2006

Gen. Variant: SDS AT

CirculenRenew C14 LD2420F

Version 1.0

Revision Date 09/15/2021

Print Date 01/05/2022

SDS No.: BE43063

Disclaimer

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