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SAFETY DATA SHEET according to Regulation (EC) No. 1907/	2006	lyondellbasell
CirculenRecover HD5603	lvory	Gen. Variant: SDS_AT
Version 1.5 Revision Date 09/	-	2022 SDS No.: BE16010
Synonyms : E Substance name : F	ture and of the company/und CirculenRecover HD5603 lvory Ethene polymers, PE Polyethylene Ethylene polymers	ertaking
1.2 Relevant identified uses of the sul		U
	Manufacture of plastic articles b or other conversion process.	y injection molding, extrusion
1.3 Details of the supplier of the safet	y data sheet	
Company Basell Sales & Marketing Company B Delftseplein 27E 3013 AA Rotterdam Netherlands	Registration numb .V. NA	er Telephone 31 (0) 10 275 55 00
E-mail address : pro Responsible/issuing person	oduct.safety@lyb.com	
1.4 Emergency telephone number		
Basell Sales & Marketing Company B	.V.	+32 3 575 1235
Poison Center: Gesundheid Österreich GMBH AT: +43 1 406 43 43 24 hours all days		
2. Hazards identification		
2.1 Classification of the substance or	mixture	
Classification (REGULATION (EC	:) No 1272/2008)	
Not a hazardous substance or mixt	ure according to Regulation (EC	C) No 1272/2008.
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SAFETY DATA SHEE according to Regulation (EC			yondellbasell
CirculenRecover	HD5603 Ivory	(Gen. Variant: SDS_AT
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combustible dust conce	ance or mixture accordin nerated during further p entrations in air. contains no component	rocessing, handling or t s considered to be eithe	o 1272/2008. by other means, may form er persistent, bioaccumulative
3. Composition/information	a on ingradiants		
3.2 Mixtures	r on ingretients		
Components			
Chemical name	CAS-No.	Classification	Weight %
	EC-No.	(REGULATION (EC) No 1272/2008)	
Mixture of Polyethylenes	Mixture		>= 99.5 %
Contains: Additives and The mixture of Polyethy residues of other polyol	lene is a recycled mate		waste and can contain
4. First aid measures	modeuroe		
4.1 Description of first-aid General advice		precautions to ensure y	our own health and safety
		pting rescue and provid	
If inhaled	medical atter In case of ex generated du fresh air. Obtain medio	ntion. cessive inhalation of fur uring heating of this mat	terial, move the person to
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In case of skin contact	Resuscitation (CPR) If molten material contacts the skin, immediately flush with large amounts of water to cool the affected tissue and
	polymer. Do not attempt to peel polymer from skin as this will remove the skin. Obtain immediate emergency medical attention if burn is deep or extensive.
In case of eye contact	: Flush eyes thoroughly with water for several minutes and seek medical attention if discomfort persists.
	 In case of eye contact with molten polymer: Continuously flush eye(s) with cool running water for at least 15 minutes. Beyond flushing, DO NOT attempt to remove the material adherent to the eye(s). Immediately seek medical attention.
If swallowed	: Adverse health effects due to ingestion are not anticipated.
4.2 Most important symptoms and	d effects, both acute and delayed
Symptoms	: Inhalation of process fumes and vapors may cause soreness in the nose and throat and coughing.
Hazards	: Dust contact with the eyes can lead to mechanical irritation. Molten polymer may cause thermal burns.
4.3 Indication of any immediate m	nedical attention and special treatment needed
Treatment	: Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.
5. Fire-fighting measures	
5.1 Extinguishing media	
Suitable extinguishing media	: SMALL FIRE: Use dry chemical, CO2, or water spray.
	: LARGE FIRES: Use water spray hose nozzles from a safe location.
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CirculenRecover HD56	03 Ivory	Gen. Variant: SDS_AT
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Unsuitable extinguishing media 5.2 Special hazards arising from Specific hazards during fire fighting	: Keep away from heat and	ecomposition products may be
	hydrocarbons (smoke).	
5.3 Advice for firefighters		
Special protective equipment for fire-fighters	: Wear approved positive pro apparatus and firefighter pro	essure self-contained breathing rotective clothing.
Further information	conditions. Calorific Value: 8000 - 110 Fight fire from safe distance nozzles. Heat from fire may melt, de flammable vapors. Move containers from fire a Evacuate immediately in th container pressure relief de Always stay away from tan Do not attempt to get on to fire.	e with hose lines or monitor ecompose polymer, and generate area if it can be done without risk. he event of opening of storage evices or discoloration of container.
6. Accidental release measures 6.1 Personal precautions, protect	tive equipment and emergen	cy procedures
Personal precautions	 Equip responders with prop Creates dangerous slipping surface. Equip emergency responde equipment (PPE) Avoid generating dust. 	
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SAFETY DATA according to Regu		907/2006		lyondellba	sell
CirculenRed				Gen. Variant: SDS_AT	
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			bustible dust haza cles create slipping	ırd. g hazard on hard smooth	
6.2 Environmental	l precautions				
Environmental	precautions	: Do not flush i	nto surface water	or sanitary sewer system.	
6.3 Methods and r	naterials for cor	ntainment and c	eaning up		
Methods for co		vacuum using On water, ma solid. All recovered transported a applicable lav	equipment which terial is insoluble; material should be nd disposed of or	able disposal containers or avoids ignition risk. collect and contain as any e packaged, labeled, reclaimed in conformance w and in conformance with g where possible.	with
7. Handling and st 7.1 Precautions fo	-				
Advice on safe	a handling	handling, or b concentrations Avoid dust ac Avoid generat presence of a hazard. Static dischar environments explosion Electrostatic o Equipment ha grounded (ea Metal contain should be gro All electrical e codes and reg combustible o	o small particles du by other means, ma s in air. coumulation in encl ing dust; fine dust in ignition source is ge (spark), or othe may ignite the du charge may build of andling polymer sh rthed) and bonded ers involved in the punded and bonded equipment should of gulatory requireme dusts. a always wash har	t suspended in air and in th s a potential dust explosion er ignition sources, in high o st and result in a dust during conveying or handlin hould be conductive and t. e transfer of this material	dust g. ric
		5 /	/ 16		

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SAFETY DATA SH		7/2006		lyond	ellbase
CirculenRecove	r HD5603	lvory		Gen. Variant	: SDS_AT
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		-	-	o processing tempe in the exhaust venti	•
Fire-fighting class	:	Polymer wil	l burn but does n	ot easily ignite.	
.2 Conditions for safe	storage, inclu	ıding any iı	ncompatibilities		
Requirements for sto areas and containers		and handlin should be u Store away oxidizing ag Keep conta	ousekeeping prac g. Process enclo- ised to avoid exce from excessive h gents. iner closed to pre	ctices during storag sures and adequate essive dust accumu heat and away from event contamination he build up of electro	ventilation lation. strong
3 Specific end use(s)	:	See Sectior	ו 1.2.		
3. Exposure controls/pe 3.1 Control parameters Ingredients with wo Occupational Expos	orkplace cont		ters		
	CAS-No.	Туре	Limit Value	Basis Revision Date	Additional Information
Components		7044	10 mg/m3	US (ACGIH)	
Components Materials that can be formed when handling this product: Non- specified (inert or nuisance) dust		TWA	inhalable	2005	

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SAFETY DATA according to Regula		2006		lyond	ellbase
CirculenReco	over HD56031	vory		Gen. Varian	t: SDS_AT
Version 1.5	Revision Date 09/1	8/2020	Print Date 01	/05/2022	SDS No.: BE160
Materials that can be formed when handling this product: Non- specified (inert or nuisance) dust Consult local authorit		TWA	3 mg/m3 respirable nits.	US (ACGIH) 2005	

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 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.
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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.
Environmental exposure con	ntrols
General advice	: See section 6.
 Physical and chemical propert Information on basic physica Appearance Color 	
Odor	: Slight.
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
Boiling point/boiling range	: Not applicable.
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CirculenRecover HD	Gen. Variant: SDS_AT
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Vapor pressure Density Water solubility Partition coefficient: n- octanol/water Viscosity, dynamic Relative vapor density Evaporation rate Explosive properties 9.2 Other information	 Not applicable. < 1 g/cm3 Insoluble. No Data Available. Not applicable. Not applicable. Not applicable. Not applicable. No Data Available.
Other information	: No additional information available.
10.1 Reactivity	
No known reactivity hazards	
10.2 Chemical stability	
Stable under normal condition	ons.
10.3 Possibility of hazardous r	eactions
Hazardous reactions	: Will not occur.
10.4 Conditions to avoid	
Conditions to avoid	: Avoid contact with strong oxidizers, excessive heat, sparks or open flame.
10.5 Incompatible materials	
Materials to avoid	: Material may be softened by some hydrocarbons.
10.6 Hazardous decompositior	n products
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CirculenRecover HD5	
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Hazardous decomposition products Thermal decomposition	 Not expected to decompose under normal conditions. Note: Carbon monoxide, olefinic and paraffinic compounds, trace amounts of organic acids, ketones, aldehydes and alcohols may be formed.
1. Toxicological information 1.1 Information on toxicologica	l 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 irritation	: Not an eye irritant. Mechanical irritation is possible.
Respiratory or skin sensitization	: Not classified
Chronic toxicity	
Carcinogenicity	: Not classified
Germ cell mutagenicity	: Not classified
Reproductive toxicity	
Effects on fertility / Effects on or via lactation	: Not classified
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Effects on Development	: Not classified			
Target Organ Systemic Toxic	cant - Single exposure			
	: The substance or mixture is organ toxicant, single exposu			
Target Organ Systemic Toxic	cant - Repeated exposure			
	: The substance or mixture is organ toxicant, repeated exp	not classified as specific target osure.		
Aspiration hazard	: Not applicable.			
12. Ecological information				
12.1 Ecotoxicology Assessment				
Short-term (acute) aquatic hazard	: Not classified			
Long-term (chronic) aquatic hazard	: Not classified			
12.2 Persistence and degradabilit	ty			
Biodegradability	: Not expected to be biodegrad	dable.		
12.3 Bioaccumulative potential				
Bioaccumulation	: This material is not expected	to bioaccumulate.		
12.4 Mobility in soil				
Mobility	: no data available			
12.5 Results of PBT and vPvB assessment				
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Result	to be either persistent, t	contains no components considered bioaccumulative and toxic (PBT) or bioaccumulative (vPvB).				
12.6 Other adverse effects						
Environmental fate and : This material is not volatile and insoluble in water. pathways						
12.7 Other information						
Additional ecological information	solubility of polymers. No data available on thi	No data available on this product. However, birds, fish and other wildlife may eat pellets which may obstruct their				
13. Disposal considerations						
13.1 Waste treatment metho	ds					
Product	transported and dispose applicable laws and reg	: 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						
15. Regulatory information 15.1 Safety, health and envir	ronmental regulations/legislatio	on specific for the substance or mixture				
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CirculenRecover HD5603 lvory

Revision Date 09/18/2020

Version 1.5

Print Date 01/05/2022

SDS No.: BE16010

lyondellbasell

Gen. Variant: SDS AT

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)

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	

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

15.2 Chemical safety assessment

No information available.

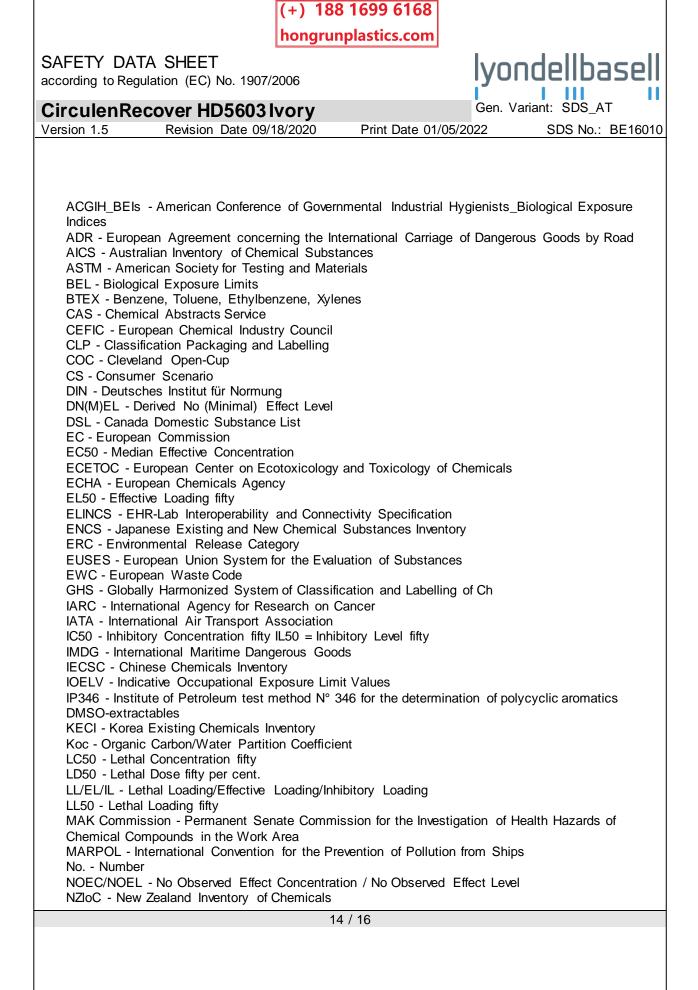
16. OTHER INFORMATION

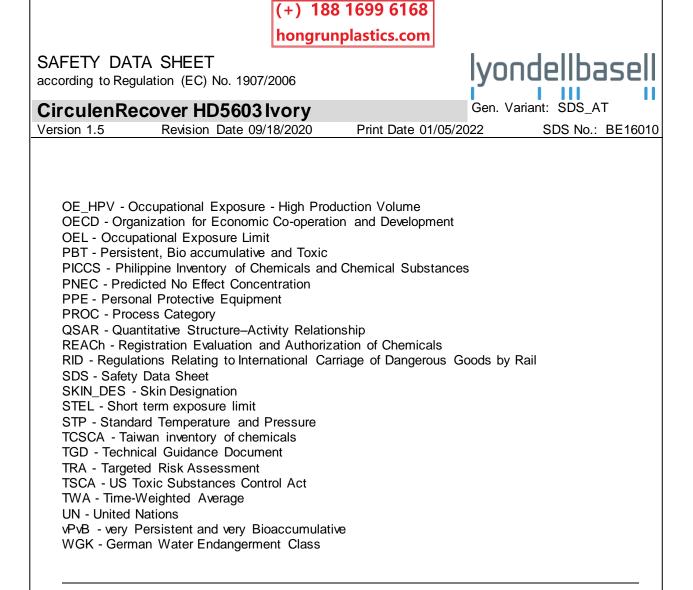
Material safety datasheet sections which have been updated:

Revised Section(s): 15 Abbreviations and Acronyms

ACGIH - American Conference of Governmental Industrial Hygienists

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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.

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Numerical Data Presentation

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CirculenRecover HD5603 Ivory Gen. Variant: SDS_AT							
Version 1.5 Revision Date 09/		Print Date 01/	/05/2022	SDS No.: BE16010			
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.							
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