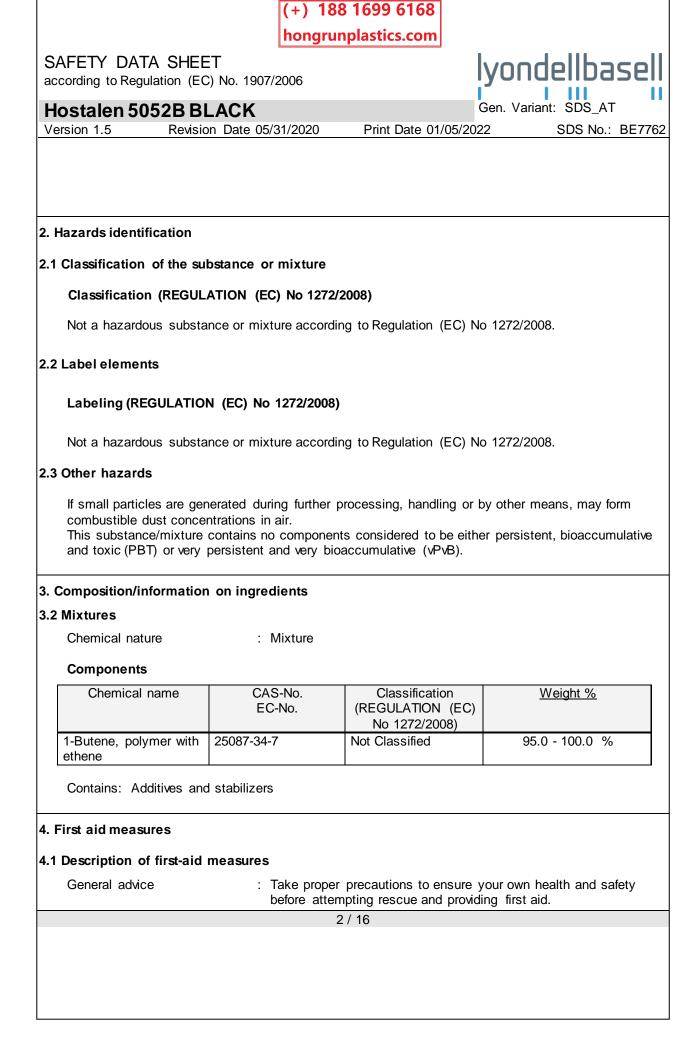
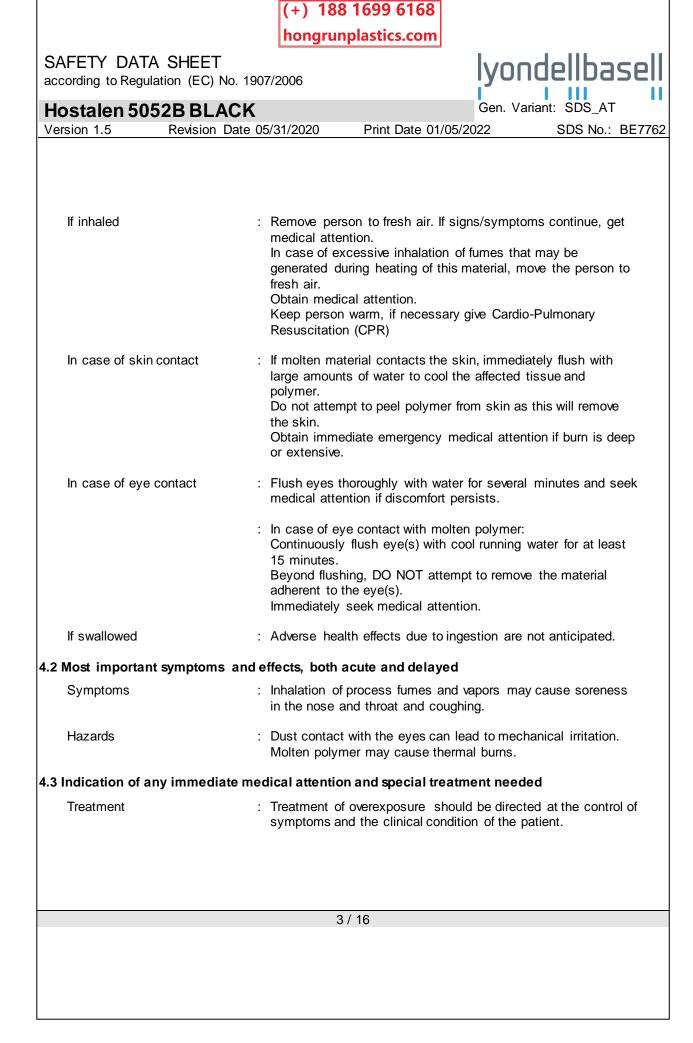
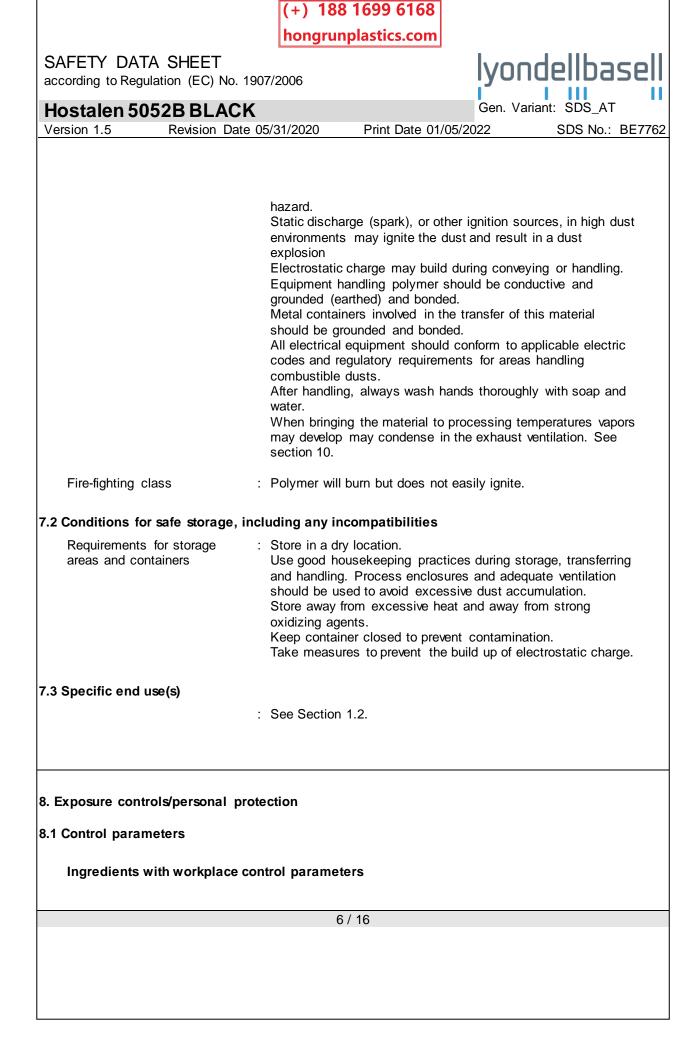
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according to Regulation (EC) No. 190	07/2006		iyui	ndellbasell
Hostalen 5052B BLACK			Gen. Va	ariant: SDS_AT
Version 1.5 Revision Date ()5/31/2020	Print Date 01/05	/2022	SDS No.: BE7762
1. Identification of the substance/m	ixture and c	of the company/unde	ertaking	
1.1 Product identifier				
Trade name:Synonyms:Substance name:Substance No.:Chemical characterization:	Ethylene, p 1-Butene, 25087-34-7	052B BLACK oolymer with 1-butene oolymer with ethene ne copolymer	, Ethene-B	utene copolymer
1.2 Relevant identified uses of the	substance o	r mixture and uses	advisad as	nainct
Identified uses				
identified uses :		e of plastic articles by nversion process.	/ injection i	molaing, extrusion
Prohibited uses :	devices; He Application	III medical devices; E ealth Canada class IV s involving permanent ing medical application ipes	/ Medical D t implantati	Devices;
1.3 Details of the supplier of the sat	fety data she	eet		
Company Basell Sales & Marketing Company Delftseplein 27E 3013 AA Rotterdam Netherlands	B.V.	Registration number		Telephone 31 (0) 10 275 55 00
E-mail address : Responsible/issuing person	product.safet	y@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				
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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.
Unsuitable extinguishing	: None known.
media 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	
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.
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6. Accidental release measures			
6.1 Personal precautions, protecti	ve equipment a	nd emergency pro	cedures
Personal precautions	Creates dange surface. Equip emerge equipment (PF Avoid generati Avoid dispersa with compress Potential com	ncy responders wit PE) ng dust. al of dust in the air red air). bustible dust hazard	rd on any hard smooth h proper personal protective (i.e., clearing dust surfaces
6.2 Environmental precautions			
Environmental precautions	: Do not flush in	nto surface water or	sanitary sewer system.
6.3 Methods and materials for con	tainment and cl	eaning up	
Methods for containment / Methods for cleaning up	: On land, swee vacuum using On water, mat solid. All recovered transported an applicable law	ep/shovel into suital equipment which a erial is insoluble; c material should be ad disposed of or re	ollect and contain as any packaged, labeled, eclaimed in conformance with and in conformance with good
7. Handling and storage			
7.1 Precautions for safe handling			
Advice on safe handling	handling, or by concentrations Avoid dust acc Avoid generati	o small particles dur y other means, may s in air. cumulation in enclo ng dust; fine dust s	ing further processing, / form combustible dust sed space. suspended in air and in the a potential dust explosion
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Occupational Exposure Limits

Components	CAS-No.	Туре	Limit Value	Basis Revision Date	Additional 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

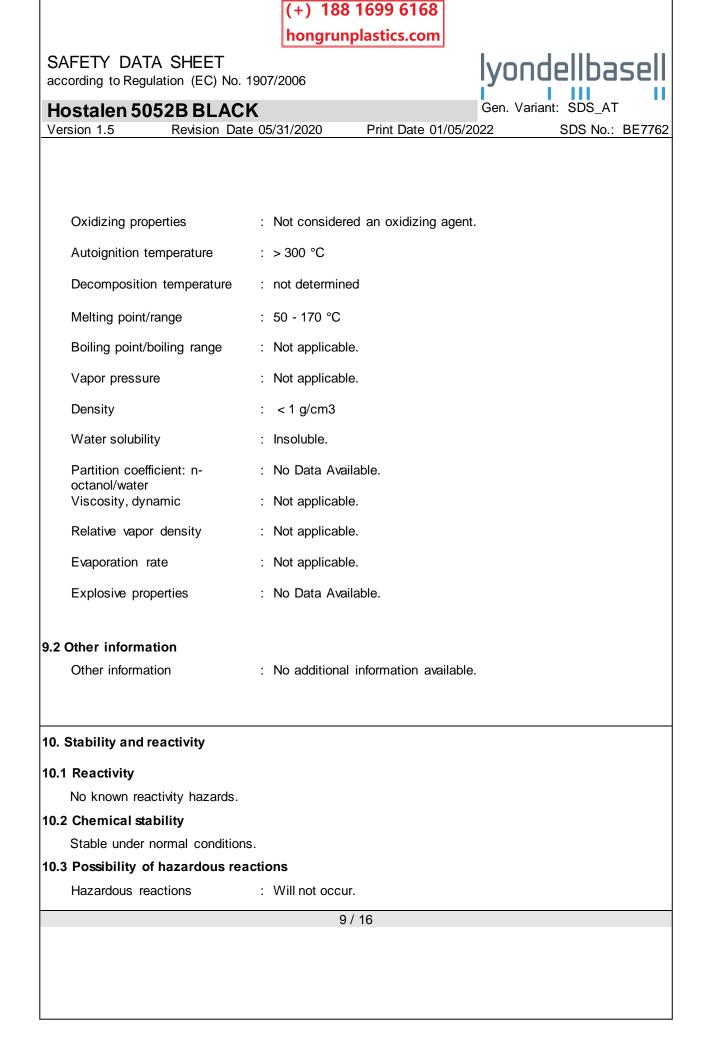
Follow the recommendations in international standard NFPA 654 (as amended and adopted) for equipment used to handle this product.

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.
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Hand protection	: Wear gloves that provide the potential for contact with he	nermal protection where there is a eated material.
Eye and face protection		d be worn to prevent mechanical yes due to airborne particles which his product.
Skin and body protection	: Wear suitable protective clo	othing.
Hygiene measures	be based on an evaluation of the protective equipment performed, conditions prese hazards and/or potential ha during use. Use good personal hygiene Wash hands before eating, facilities.	rsonal protective equipment should of the performance characteristics relative to the task(s) to be ent, duration of use, and the azards that may be encountered e practices. drinking, smoking, or using toilet hing and wash before reuse.
Environmental exposure c	ontrols	
General advice	: See section 6.	
Physical and chemical prope Information on basic physic Appearance Color	cal and chemical properties : Pellets. : Black	
Information on basic physic Appearance Color Odor	cal and chemical properties : Pellets. : Black : Slight.	
Information on basic physic Appearance Color Odor Flash point	 cal and chemical properties Pellets. Black Slight. No Data Available. 	
Information on basic physic Appearance Color Odor	 cal and chemical properties Pellets. Black Slight. No Data Available. 	ncentration (MEC) for polymer dust size distribution.
Information on basic physic Appearance Color Odor Flash point	cal and chemical properties : Pellets. : Black : Slight. : No Data Available. : The minimum explosive con	
Information on basic physic Appearance Color Odor Flash point Lower explosion limit	 cal and chemical properties Pellets. Black Slight. No Data Available. The minimum explosive convaries according to particle 	size distribution.



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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 decomposition Hazardous decomposition	 products Not expected to decompose under normal conditions. 		
products			
Thermal decomposition	: Note: Carbon monoxide, olefinic and paraffinic compounds, trace amounts of organic acids, ketones, aldehydes and alcohols may be formed.		
Acute toxicity Acute oral toxicity	: Not classified		
Aguta inhelation toxicity			
Acute inhalation toxicity			
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			
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Carcinogenicity	: Not classified	
Germ cell mutagenicity	: Not classified	
Reproductive toxicity		
Effects on fertility / Effects on or via lactation	: Not classified	
Effects on Development	: Not classified	
Target Organ Systemic Toxi	cant - Single exposure	
	: The substance or mixture is not organ toxicant, single exposure	
Target Organ Systemic Toxi	cant - Repeated exposure	
	: The substance or mixture is not organ toxicant, repeated expos	
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 degradability	ity	
Biodegradability	: Not expected to be biodegradab	ble.
12.3 Bioaccumulative potential		
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Bioaccumulation	: This material is not expected to bioaccumulate.
12.4 Mobility in soil	
Mobility	: no data available
12.5 Results of PBT and vPvB as	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.
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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

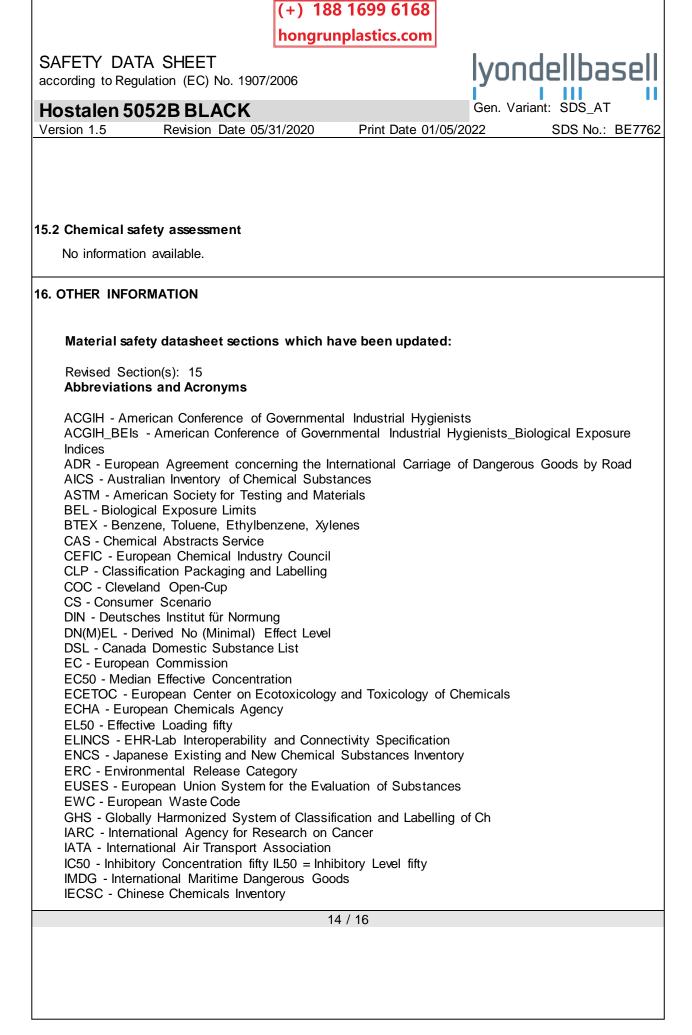
The ingredients of this product are compliant with the following chemical inventory requirements or exemptions.

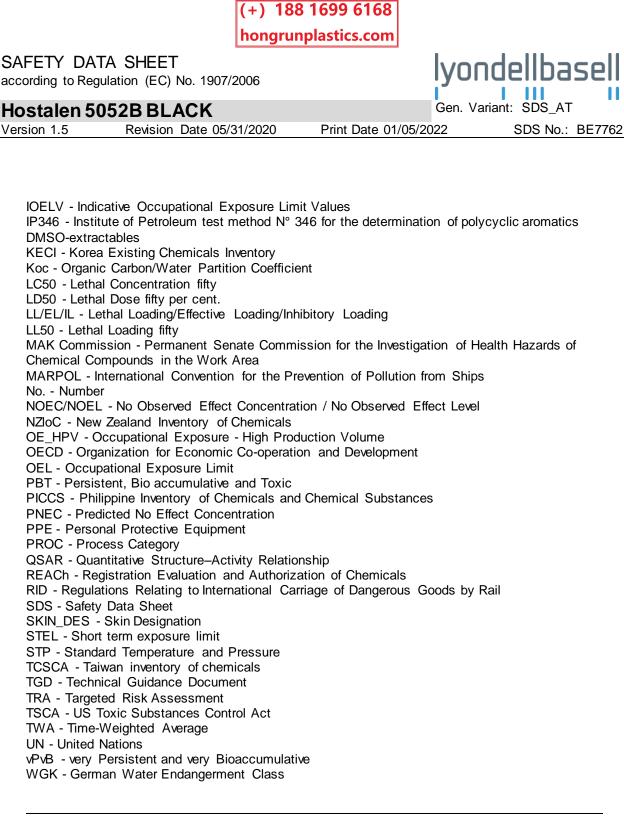
*Additional Explanatory Status Statements follow the table, as necessary.

Country/Region	Inventory	Status Description
Australia	AICS	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.

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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.

Information in this document is accurate to the best of our knowledge at the date of publication.

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Disclaimer

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/ 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