		(+) 18	<b>816996168</b> lastics.com		
SAFETY DATA	SHEET	Poncip	lastics.com	l	
according to Regulati	-	/2006		Iyo	ndellbasell
Hifax TYC 2182F 3004 Gen. Variant: SDS_AT					
Version 1.1	Revision Date 01/	(15/2021	Print Date 01	/06/2022	SDS No.: BE27901
1. Identification of th	e substance/mix	ture and o	f the company/u	ndertaking	
1.1 Product identifie				-	
Trade name Synonyms Substance name	:	Polyolefin, (	2182F 3004 Compounded poly d polyolefin	/mer	
1.2 Relevant identifie	ed uses of the su	bstance or	mixture and us	es advised a	gainst
Identified uses			e of plastic article oversion process.	s by injection	molding, extrusion
Prohibited uses	(	devices; He Applications	III medical device alth Canada clas involving permaing medical applic	s IV Medical I nent implanta	
1.3 Details of the sup Company Basell Sales & Mark Delftseplein 27E 3013 AA Rotterdam Netherlands	keting Company B	-	et Registration nui NA		<b>Telephone</b> 31 (0) 10 275 55 00
E-mail address Responsible/issuing		oduct.safety	@lyb.com		
1.4 Emergency telep	hone number				
Basell Sales & Mark	ceting Company B	.V.		+	-32 3 575 1235
<u>Poison Center:</u> Gesundheid Österre AT: +43 1 406 43 43 24 hours all days					
<ol> <li>2. Hazards identifica</li> <li>2.1 Classification of</li> </ol>		<sup>r</sup> mixture			
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## Classification (REGULATION (EC) No 1272/2008)

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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.

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

## 3.2 Mixtures

## Components

Chemical name	CAS-No. EC-No.	Classification (REGULATION (EC) No 1272/2008)	Weight %
Proprietary blend of polyolefinic polymers	Mixture	Not Classified	50.0 - 80.0 %

Contains: Additives, stabilizers and fillers

## 4. First aid measures

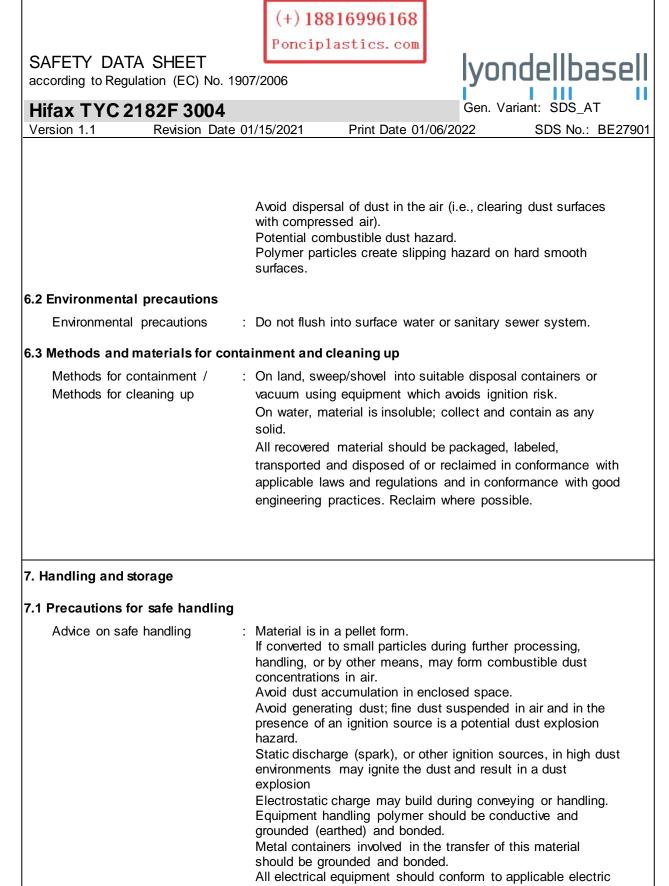
### 4.1 Description of first-aid measures

General advice	: Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid.
If inhaled	<ul> <li>Remove person to fresh air. If signs/symptoms continue, get medical attention.</li> <li>In case of excessive inhalation of fumes that may be generated during heating of this material, move the person to fresh air.</li> </ul>
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	Obtain medica Keep person w Resuscitation	varm, if necessary	give Cardio-Pulmonary
In case of skin contact	large amounts polymer. Do not attempt the skin.	of water to cool the t to peel polymer fro	in, immediately flush with e affected tissue and om skin as this will remove dical attention if burn is deep
In case of eye contact		proughly with water ion if discomfort per	for several minutes and seel rsists.
	Continuously fl 15 minutes. Beyond flushin adherent to the	ng, DO NOT attemp	of running water for at least
If swallowed	: Adverse health	n effects due to inge	estion are not anticipated.
2 Most important symptoms an	d effects, both ac	ute and delayed	
Symptoms	•	rocess fumes and v d throat and coughi	vapors may cause soreness ing.
Hazards		vith the eyes can leaser may cause therm	ad to mechanical irritation. al burns.
3 Indication of any immediate r	nedical attention	and special treatm	nent needed
Treatment		overexposure shoul I the clinical condition	d be directed at the control o on of the patient.
Fire-fighting measures			
1 Extinguishing media			
Suitable extinguishing media	: SMALL FIRE: Use dry chemi	ical, CO2, or water	spray.
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	: LARGE FIRES: Use water spray hose nozzle	s from a safe location.
Unsuitable extinguishing media 5.2 Special hazards arising from th	: None known. he substance or mixture	
Specific hazards during fire fighting	<ul> <li>Keep away from heat and so In case of fire hazardous dec produced such as: Carbon monoxide, carbon dic hydrocarbons (smoke).</li> </ul>	omposition products may be
5.3 Advice for firefighters		
Special protective equipment for fire-fighters	: Wear approved positive press apparatus and firefighter prot	
Further information	flammable vapors. Move containers from fire are Evacuate immediately in the container pressure relief devic Always stay away from tanks	kcal/kg with hose lines or monitor ompose polymer, and generate ea if it can be done without risk. event of opening of storage ces or discoloration of container. engulfed in fire. of storage containers involved in
6. Accidental release measures		
6.1 Personal precautions, protecti		-
Personal precautions	: Equip responders with proper Creates dangerous slipping h surface. Equip emergency responders equipment (PPE) Avoid generating dust.	•
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codes and regulatory requirements for areas handling

	SAFETY DATA SI			816996168 lastics.com	lvond	ellbasell
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		<b>r 3004</b> evision Date 01/	/15/2021	Print Date 01		SDS No.: BE27901
			water. When bring	ng, always wash ing the material to	hands thoroughly v o processing tempe in the exhaust vent	eratures vapors
	Fire-fighting class	:	Polymer wil	l burn but does no	ot easily ignite.	
7.	2 Conditions for safe	storage, inclu	ding any i	ncompatibilities		
	Requirements for st areas and container	S	and handlin should be u Store away oxidizing ag Keep conta	ousekeeping prac g. Process enclos lsed to avoid exce from excessive h gents. iner closed to pre	ctices during storages sures and adequate essive dust accume eat and away from vent contamination le build up of electr	e ventilation ulation. strong
7.	3 Specific end use(s)					
		: :	See Sectior	n 1.2.		
8.	Exposure controls/po	ersonal protec	tion			
8.	1 Control parameters	5				
	Ingredients with w	orkplace conti	rol parame	ters		
	Occupational Expo	osure Limits				
	Components	CAS-No.	Туре	Limit Value	Basis Revision Date	Additional Information
	Materials that can be formed when		TWA	10 mg/m3 inhalable	US (ACGIH) 2005	

be formed when handling this product: Nonspecified (inert or nuisance) dust 6 / 16



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

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 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	be based on an evaluation of of the protective equipment re performed, conditions present hazards and/or potential haza during use. Use good personal hygiene p	t, duration of use, and the ards that may be encountered practices. rinking, smoking, or using toilet
Environmental exposure cor	ntrols	
General advice	: See section 6.	
9. Physical and chemical propert 9.1 Information on basic physica	I and chemical properties	
Appearance Color	: Pellets. : black	
Odor Flash point	: Slight. : No Data Available.	
Lower explosion limit		entration (MEC) for polymer dust ze distribution.
Upper explosion limit	: Not applicable.	
Flammability (solid, gas)	: Polymer will burn but does no	ot easily ignite.
Oxidizing properties	: Not considered an oxidizing a	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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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.
10.1 Reactivity	ds
<b>10.1 Reactivity</b> No known reactivity hazard	ds.
<b>10.1 Reactivity</b> No known reactivity hazard	
10.1 Reactivity No known reactivity hazard 10.2 Chemical stability Stable under normal condi	itions.
<ul> <li>10.1 Reactivity</li> <li>No known reactivity hazard</li> <li>10.2 Chemical stability</li> <li>Stable under normal conditional</li> </ul>	itions.
<ul> <li>10.1 Reactivity         No known reactivity hazard     </li> <li>10.2 Chemical stability         Stable under normal conditional conditional stability of hazardous     </li> <li>10.3 Possibility of hazardous</li> <li>Hazardous reactions</li> </ul>	itions. s reactions
10.2 Chemical stability Stable under normal condi 10.3 Possibility of hazardous	itions. s reactions
<ul> <li>10.1 Reactivity <ul> <li>No known reactivity hazard</li> </ul> </li> <li>10.2 Chemical stability <ul> <li>Stable under normal conditional conditions</li> </ul> </li> <li>10.3 Possibility of hazardous <ul> <li>Hazardous reactions</li> </ul> </li> <li>10.4 Conditions to avoid</li> </ul>	itions. <b>s reactions</b> : Will not occur. : Avoid contact with strong oxidizers, excessive heat, sparks or
<ul> <li>10.1 Reactivity <ul> <li>No known reactivity hazard</li> </ul> </li> <li>10.2 Chemical stability <ul> <li>Stable under normal conditional con</li></ul></li></ul>	itions. <b>s reactions</b> : Will not occur. : Avoid contact with strong oxidizers, excessive heat, sparks or
<ul> <li>10.1 Reactivity <ul> <li>No known reactivity hazard</li> </ul> </li> <li>10.2 Chemical stability <ul> <li>Stable under normal conditional conditicational conditional conditional</li></ul></li></ul>	itions. <b>s reactions</b> : Will not occur. : Avoid contact with strong oxidizers, excessive heat, sparks or open flame. : Material may be softened by some hydrocarbons.

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Hazardous decomposition products Thermal decomposition	<ul> <li>Not expected to decompose under normal conditions.</li> <li>Note: Carbon monoxide, olefinic and paraffinic compounds, trace amounts of organic acids, ketones, aldehydes and alcohols may be formed.</li> </ul>			
11. Toxicological information				
11.1 Information on toxicologica	leffects			
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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Hifax TYC 2182F 3004 Version 1.1 Revision Date	e 01/15/2021 Print Date 01/	Gen. Variant: SDS_AT 06/2022 SDS No.: BE27901		
Effects on Development	: Not classified			
Target Organ Systemic Toxi				
	: The substance or mixture is no organ toxicant, single exposur			
Target Organ Systemic Toxi	cant - Repeated exposure			
	: The substance or mixture is no organ toxicant, repeated expo			
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 biodegrada	able.		
12.3 Bioaccumulative potential				
Bioaccumulation	: This material is not expected t	o bioaccumulate.		
12.4 Mobility in soil				
Mobility	: no data available			
12.5 Results of PBT and vPvB as	ssessment			
12.5 Results of PBT and VPVB assessment 11 / 16				

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Result		ains no components considered cumulative and toxic (PBT) or ccumulative (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	solubility of polymers.	minimal based on the low water duct. However, birds, fish and which may obstruct their				
13. Disposal considerations						
13.1 Waste treatment methods						
Product		or reclaimed in conformance with ns and in conformance with good				
14. Transport information						
Not regulated for transport						
15. Regulatory information						
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture						
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## **REACH Annex XVII**

This product contains an ingredient listed in Annex XVII of the REACH Regulation 1907/2006/EC.

Component	CASRN	Remarks
Lead	7439-92-1	Use restricted. See item 72. Use restricted. See item 30. powder Use restricted. See item 30. massive Use restricted. See item 63.

## **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	Not Compliant



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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): 3 15 Abbreviations and Acronyms

ACGIH - American Conference of Governmental Industrial Hygienists ACGIH BEIs - American Conference of Governmental Industrial Hygienists Biological Exposure Indices ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road AICS - Australian Inventory of Chemical Substances ASTM - American Society for Testing and Materials **BEL - Biological Exposure Limits** BTEX - Benzene, Toluene, Ethylbenzene, Xylenes CAS - Chemical Abstracts Service CEFIC - European Chemical Industry Council CLP - Classification Packaging and Labelling COC - Cleveland Open-Cup CS - Consumer Scenario DIN - Deutsches Institut für Normung DN(M)EL - Derived No (Minimal) Effect Level DSL - Canada Domestic Substance List EC - European Commission EC50 - Median Effective Concentration ECETOC - European Center on Ecotoxicology and Toxicology of Chemicals ECHA - European Chemicals Agency EL50 - Effective Loading fifty ELINCS - EHR-Lab Interoperability and Connectivity Specification ENCS - Japanese Existing and New Chemical Substances Inventory ERC - Environmental Release Category EUSES - European Union System for the Evaluation of Substances EWC - European Waste Code GHS - Globally Harmonized System of Classification and Labelling of Ch IARC - International Agency for Research on Cancer IATA - International Air Transport Association IC50 - Inhibitory Concentration fifty IL50 = Inhibitory Level fifty IMDG - International Maritime Dangerous Goods



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**IECSC - Chinese Chemicals Inventory IOELV - Indicative Occupational Exposure Limit Values** IP346 - Institute of Petroleum test method N° 346 for the determination of polycyclic aromatics **DMSO-extractables KECI - Korea Existing Chemicals Inventory** Koc - Organic Carbon/Water Partition Coefficient LC50 - Lethal Concentration fifty LD50 - Lethal Dose fifty per cent. LL/EL/IL - Lethal Loading/Effective Loading/Inhibitory Loading LL50 - Lethal Loading fifty 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.



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### Disclaimer

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### 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