		(+) 1	8816996168 plastics.com		
SAFETY DATA according to Regulat			plastics.com	lyondel	lbasell
Hifax TKC 22	0X 1 3001			Gen. Variant: S	DS_AT
Version 1.4	Revision Date (04/03/2020	Print Date 01	/06/2022 SD	OS No.: BE1223
1. Identification of t	he substance/m	ixture and	of the company/u	ndertaking	
1.1 Product identifie	er				
Trade name Synonyms Substance name	:	Polyolefin,	220X 1 3001 Compounded poly ded polyolefin	ymer	
1.2 Relevant identif	ied uses of the	substance o	or mixture and us	es advised against	
Identified uses	:		re of plastic article onversion process.	s by injection molding,	extrusion
Prohibited uses	:	devices; H Applicatior	lealth Canada clas	s; European class III m s IV Medical Devices; nent implantation into t cations	
1.3 Details of the su	pplier of the sat	fety data sh	eet		
Company Basell Sales & Mar Delftseplein 27E 3013 AA Rotterdan Netherlands	0 1 1	B.V.	Registration nu NA		ne 275 55 00
E-mail address Responsible/issuin		product.safe	ty@lyb.com		
1.4 Emergency tele	phone number				
Basell Sales & Mar	keting Company	B.V.		+32 3 575	1235
Poison Center: Gesundheid Österr AT: +43 1 406 43 4 24 hours all days					
2. Hazards identifica	ation				
2.1 Classification of		or mixture			
			1 / 16		



according to Regulation (EC) No. 1907/2006

Hifax TKC 220X 1 3001

Version 1.4

Print Date 01/06/2022

SDS No.: BE1223

lyondellbasell

Gen. Variant: SDS AT

Classification (REGULATION (EC) No 1272/2008)

Revision Date 04/03/2020

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

Chemical nature : Mixture

Components

Chemical name	CAS-No. EC-No.	Classification (REGULATION (EC) No 1272/2008)	<u>Weight %</u>
Proprietary blend of polyolefinic polymers	Mixture	Not Classified	80.0 - 100.0 %

Contains: Additives, stabilizers and fillers

4. First aid measures

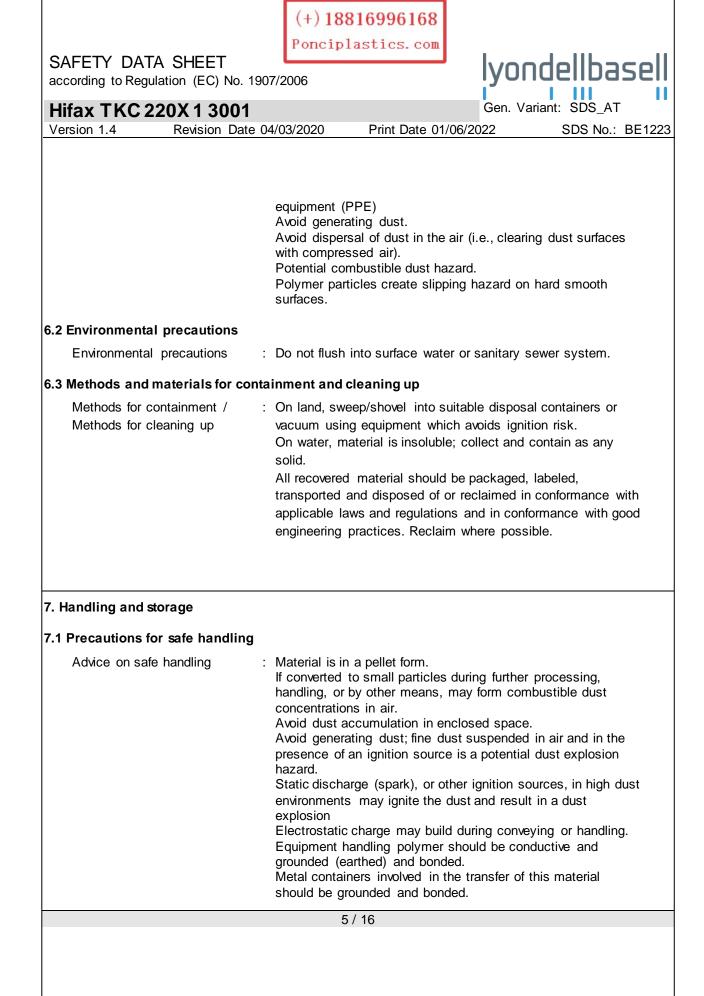
4.1 Description of first-aid measures

General advice	: Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid.
If inhaled	 Remove person to fresh air. If signs/symptoms continue, get medical attention. In case of excessive inhalation of fumes that may be
	2 / 16



	generated during heating of this material, move the person to fresh air. Obtain medical attention. Keep person warm, if necessary give Cardio-Pulmonary Resuscitation (CPR)
In case of skin contact	 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.
2 Most important symptoms	s and 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.
3 Indication of any immedia	ate medical attention and special treatment needed
Treatment	: Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.
Fire-fighting measures	
1 Extinguishing media Suitable extinguishing med	dia : SMALL FIRE:
	3 / 16

SAFETY DATA SHEET according to Regulation (EC) No.	(+) 18816996168 Ponciplastics.com 1907/2006
Hifax TKC 220X 1 3001	
Version 1.4 Revision Dat Unsuitable extinguishing media 5.2 Special hazards arising from Specific hazards during fire fighting 5.3 Advice for firefighters Special protective equipment for fire-fighters Further information 6. Accidental release measures	Use dry chemical, CO2, or water spray. : LARGE FIRES: Use water spray hose nozzles from a safe location. : None known.
6.1 Personal precautions, protec	tive 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
	4 / 16



	Ĩ	(+) 18	816996168 lastics.com		
SAFETY DATA SH according to Regulation			lastics, com	lyond	ellbasell
Hifax TKC 220X	. ,			Gen. Variant	
	vision Date 04/0	3/2020	Print Date 01		
Fire-fighting class 7.2 Conditions for safe Requirements for st areas and container	cc cc Af wa W m se storage, includ corage : St s us s St St cox Ke	odes and re ombustible iter handlin ater. Then bringin ay develop ection 10. olymer will ing any in tore in a dr se good ho nould be us tore away f kidizing ag eep contain	egulatory requirer dusts. g, always wash ng the material to may condense burn but does no compatibilities y location. pusekeeping prace g. Process enclose sed to avoid exception from excessive hents. her closed to pre	Id conform to applia ments for areas ha hands thoroughly v o processing tempe in the exhaust vent ot easily ignite. ctices during storag sures and adequate essive dust accumu eat and away from vent contamination e build up of electro	ndling vith soap and eratures vapors ilation. See le, transferring e ventilation lation. strong
7.3 Specific end use(s)	: Se	ee Section	1.2.		
8. Exposure controls/pe 8.1 Control parameters Ingredients with w Occupational Expo	orkplace contro		ters		
Components	CAS-No.	Туре	Limit Value	Basis Revision Date	Additional Information
		6	6 / 16		



according to Regulation (EC) No. 1907/2006

Hifax TKC 220X 1 3001

Version 1.4

Revision Date 04/03/2020

Print Date 01/06/2022

SDS No.: BE1223

lyondellbasell

Gen. Variant: SDS AT

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 potential for contact with heated material.
	7 / 16

	(+) 18816996168 Ponciplastics.com	
SAFETY DATA SHEET	Ponciplastics.com	luce de lle se ell
according to Regulation (EC) No.	lyondellbasell	
Hifax TKC 220X 1 3001		Gen. Variant: SDS_AT
Version 1.4 Revision Date	e 04/03/2020 Print Date 01/0	06/2022 SDS No.: BE1223
Eye and face protection	: Dust service goggles should be injury or other irritation to eyes may result from handling this p	due to airborne particles which
Skin and body protection	: Wear suitable protective clothing	ng.
Hygiene measures	 Selection of appropriate person be based on an evaluation of t of the protective equipment rel performed, conditions present, hazards and/or potential hazar during use. Use good personal hygiene pra Wash hands before eating, drin facilities. Take off contaminated clothing 	he performance characteristics ative to the task(s) to be duration of use, and the ds that may be encountered actices. hking, smoking, or using toilet
Environmental exposure cor	ntrols	
General advice	: See section 6.	
9. Physical and chemical propert 9.1 Information on basic physica		
Appearance	: Pellets.	
Color	: Grey.	
Odor	: Slight.	
Flash point	: No Data Available.	
Lower explosion limit	: The minimum explosive conce varies according to particle siz	
Upper explosion limit	: Not applicable.	
Flammability (solid, gas)	: Polymer will burn but does not	easily ignite.
Oxidizing properties	: Not considered an oxidizing ag	jent.
Autoignition temperature	: > 300 °C	
	8 / 16	

			816996168	
SAFETY DATA according to Regul	-		lastics.com	lyondellbasell
Hifax TKC 22	20X 1 300)1		Gen. Variant: SDS_AT
Version 1.4	Revision D	Date 04/03/2020	Print Date 01/06/20	22 SDS No.: BE1223
Decomposition	temperature	: not determir	ned	
Melting point/ra	ange	: 50 - 170 °C		

- Melting point/range 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.
- : Not applicable. Evaporation rate
- Explosive properties : No Data Available.

9.2 Other information

- Other information
- : No additional information available.

10. Stability and reactivity

10.1 Reactivity

No known reactivity hazards.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

: Will not occur. Hazardous reactions

10.4 Conditions to avoid

: Avoid contact with strong oxidizers, excessive heat, sparks or Conditions to avoid open flame.

	(+) 18816996168	
SAFETY DATA SHEET according to Regulation (EC) No.	Ponciplastics.com	lyondellbasell
Hifax TKC 220X 1 3001	1	Gen. Variant: SDS_AT
Version 1.4 Revision Dat	te 04/03/2020 Print Date 01/	06/2022 SDS No.: BE1223
10.5 Incompatible materials		
Materials to avoid	: Material may be softened by s	some hydrocarbons.
10.6 Hazardous decomposition		
Hazardous decomposition	: Not expected to decompose u	inder normal conditions
products		
Thermal decomposition	: Note: Carbon monoxide, olefir trace amounts of organic acid alcohols may be formed.	
11. Toxicological information		
11.1 Information on toxicologica	al 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 possibl	le.
Respiratory or skin sensitization	: Not classified	
Chronic toxicity		
Carcinogenicity	: Not classified	
	10 / 16	

	(+) 18816996168 Ponciplastics.com	
SAFETY DATA SHEET according to Regulation (EC) No. 1		lyondellbasell
Hifax TKC 220X 1 3001		Gen. Variant: SDS_AT
Version 1.4 Revision Date	e 04/03/2020 Print Date 01/0	06/2022 SDS No.: BE1223
Germ cell mutagenicity	: Not classified	
Reproductive toxicity		
Effects on fertility / Effects on or via lactation Effects on Development	: Not classified : Not classified	
Target Organ Systemic Toxic		
	: The substance or mixture is no	
	organ toxicant, single exposure	2.
Target Organ Systemic Toxic		
	: The substance or mixture is no organ toxicant, repeated expos	
Aspiration hazard	: Not applicable.	
12. Ecological information		
12.1 Ecotoxicology Assessment		
Short-term (acute) aquatic	: Not classified	
hazard Long-term (chronic) aquatic hazard	: Not classified	
12.2 Persistence and degradabili	ty	
Biodegradability	: Not expected to be biodegradal	ble.
12.3 Bioaccumulative potential		
Bioaccumulation	: This material is not expected to	o bioaccumulate.
	11 / 16	

SAFETY DATA SHEET according to Regulation (EC) No. 190	(+) 18816996168 Ponciplastics.com		
Hifax TKC 220X 1 3001 Gen. Variant: SDS_AT			
Version 1.4 Revision Date 0	4/03/2020 Print Date 01/06/2022 SDS No.: BE1223		
12.4 Mobility in soil Mobility :	no data available		
12.5 Results of PBT and vPvB assessment			
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			
12 / 16			



according to Regulation (EC) No. 1907/2006

Hifax TKC 220X 1 3001

Version 1.4

Revision Date 04/03/2020 Print Date 01/06/2022

SDS No.: BE1223

lyondellbasell

Gen. Variant: SDS AT

Not regulated for transport

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 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.

15.2 Chemical safety assessment

No information available.



according to Regulation (EC) No. 1907/2006

Hifax TKC 220X 1 3001

Version 1.4

Revision Date 04/03/2020

Print Date 01/06/2022

SDS No.: BE1223

lvondellbasell

Gen. Variant: SDS_AT

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 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 **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



according to Regulation (EC) No. 1907/2006

Hifax TKC 220X 1 3001

Version 1.4

Revision Date 04/03/2020

Print Date 01/06/2022

SDS No.: BE1223

lvondellbasel

Gen. Variant: SDS_AT

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.

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.



according to Regulation (EC) No. 1907/2006

Hifax TKC 220X 1 3001

Version 1.4

Revision Date 04/03/2020

Print Date 01/06/2022

SDS No.: BE1223

lvondellbasell

Gen. Variant: SDS AT

Disclaimer

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