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SAFETY DATA SHEET	Ponciplastics.co	Iyondellbasell				
Hifax TYC 773P 5PQA DP Version 1.1 Revision Date 12		Gen. Variant: SDS_US_GHS e 12/23/2019 SDS No.: BE5559				
		e 12/23/2019 3D3 NO BE3339				
1. IDENTIFICATION OF THE SUBST	ANCE/MIXTURE AND	OF THE COMPANY/UNDERTAKING				
Trade name :	Hifax TYC 773P 5PQA	A DK NTRL				
CAS Number: : Chemical name :	Mixture Compounded polyolefi	in				
Synonyms :	Polyolefin, Compounde					
Identified uses :	Manufacture of plastic or other conversion pr	articles by injection molding, extrusion ocess.				
Prohibited uses :	devices; Health Canac	devices; European class III medical da class IV Medical Devices; permanent implantation into the body; al applications				
Company Address	Company	<u>Telephone</u>				
Equistar Chemicals, LP		Service 888 777-0232				
LyondellBasell Tower, Suite 300	product.sat	fety@lyb.com				
1221 McKinney St. P.O. Box 2583						
Houston Texas 77252-2583						
Emergency telephone number EQUISTAR 800-245-4532						
E-mail address : Responsible/issuing person	product.safety@lyb.cor	n				
2. HAZARDS IDENTIFICATION						
GHS Classification						
OSHA Hazard Category: Corr	ibustible Dust					
Label elements						
Signal word :	Warning					
Hazard Statements :	-	generated during further processing, neans, may form combustible dust				
Other hazards						
No additional information available.						
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AFETY DATA SHEET	Ponciplastics.com	lyondellbase		
		Gen. Variant: SDS_US_G		
fax TYC 773P 5PQA rsion 1.1 Revision Date				
	N ON INGREDIENTS			
tures				
Ingredients Chemical name	CAS-No.	Waight %		
Chemical hame	CAS-NO.	Weight %		
Proprietary blend of polyolefini polymers	ic Mixture	80.0 - 100.0 %		
Contains: Additives, stabilize	ers and fillers			
IRST AID MEASURES				
General advice	: Take proper precautions the before attempting rescue	to ensure your own health and saf and providing first aid.		
If inhaled	If inhaled : Remove person to fresh air. If signs/symptoms conti medical attention. In case of excessive inhalation of fumes that may be			
	during heating of this mat Obtain medical attention.	erial, move the person to fresh air		
	Keep person warm, if nec	essary give Cardio-Pulmonary		
	Resuscitation (CPR)			
In case of skin contact	: If molten material contact	s the skin, immediately flush with		
		cool the affected tissue and polyr lymer from skin as this will remove		
	skin.			
	Obtain immediate emerge or extensive.	ency medical attention if burn is de		
In case of eye contact	: Flush eyes thoroughly wit medical attention if discor	h water for several minutes and se		
	: In case of eye contact wit Continuously flush eye(s)	n molten polymer: with cool running water for at leas		
	minutes. Bevond flushing. DO NOT	attempt to remove the material		
	adherent to the eye(s).			
	Immediately seek medica	I attention.		
If swallowed	: Adverse health effects du	e to ingestion are not anticipated.		
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SAFETY DATA SHEET	Ponciplastics.com
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Hifax TYC 773P 5PQA	
Version 1.1 Revision Date	12/19/2017 Print Date 12/23/2019 SDS No.: BE555
Notes to physician	
Symptoms	: Inhalation of process fumes and vapors may cause soreness i the nose and throat and coughing.
Hazards	: Dust contact with the eyes can lead to mechanical irritation. Molten polymer may cause thermal burns.
Treatment	: Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.
5. FIRE-FIGHTING MEASURES	
Suitable extinguishing media	: SMALL FIRE:
Suitable extinguishing media	Use dry chemical, CO2, or water spray.
	: LARGE FIRES: Use water spray hose nozzles from a safe location.
Unsuitable extinguishing media	: None known.
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).
Chariel protection, equipment	
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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SAFETY DATA SHEET	Ponciplastics.com
Hifax TYC 773P 5PQA	OK NTRL Gen. Variant: SDS_US_GHS
Version 1.1 Revision Date	12/19/2017 Print Date 12/23/2019 SDS No.: BE555
6. ACCIDENTAL RELEASE MEAS	URES
Personal precautions	 Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface. Equip emergency responders with proper personal protective equipment (PPE) Avoid generating dust. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Potential combustible dust hazard. Polymer particles create slipping hazard on hard smooth surfaces.
Environmental precautions	: Do not flush into surface water or sanitary sewer system.
Methods for containment / Methods for cleaning up	 On land, sweep/shovel into suitable disposal containers or vacuum using equipment which avoids ignition risk. On water, material is insoluble; collect and contain as any solid. 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.
7. Handling and storage	
Precautions for safe handling	9
Advice on safe handling	 Material is in a pellet form. If converted to small particles during further processing, handling, or by other means, may form combustible dust concentrations in air. Avoid dust accumulation in enclosed space. Use dust collection systems designed per NFPA 654 to avoid dust accumulation. Avoid generating dust; fine dust suspended in air and in the presence of an ignition source is a potential dust explosion hazard. Static discharge (spark), or other ignition sources, in high dust environments may ignite the dust and result in a dust explosion Electrostatic charge may build during conveying or handling. Equipment handling polymer should be conductive and grounded (earthed) and bonded.
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SAFETY DATA SHEET			lvo	ndellbasell	
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Hifax TYC 773P 5PQA DI	KNTRL		Gen. \	Variant: SDS_US_GHS	
Version 1.1 Revision Date 12	2/19/2017	Print Date 1	2/23/2019	SDS No.: BE5559	
		ainers involved grounded and		er of this material	
	All electrica codes and	al equipment s regulatory req	hould conform	to applicable electric areas handling	
	combustibl After handl water.		ash hands tho	roughly with soap and	
	When bring			ng temperatures vapors aust ventilation. See	
	section 10.		dard for the P	revention of Fire and	
				g, Processing, and	
				olids, for safe handling.	
Fire-fighting class :	Polymer w	ill burn but doe	es not easily ig	nite.	
Conditions for safe storage, in	cluding any	incompatibili	ities		
Requirements for storage : areas and containers	Use good and handlin should be Store away oxidizing a Keep conta	ng. Process er used to avoid o from excessi gents. ainer closed to	closures and excessive dus ve heat and av prevent conta	ng storage, transferring adequate ventilation t accumulation. way from strong amination. of electrostatic charge.	
Specific end use(s)					
	See Section	n 1.			
8. EXPOSURE CONTROLS/PERSONAL PROTECTION					
Control parameters					
Ingredients with workplace control parameters					
Occupational Exposure Limits					

Ingredients	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	

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SAFETY DATA	SHEET	Tonerpra		lyond	ellbasell
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Version 1.1	Revision Date 12	/19/2017	Print Date 12/2	23/2019	SDS No.: BE5559
Materials that can	I	TWA	3 mg/m3	US (ACGIH)	1 1
be formed when handling this product: Non- specified (inert or nuisance) dust			respirable	2005	
Materials that can be formed when handling this product: Non- specified (inert or nuisance) dust		TWA	15 mg/m3 total dust	US (OSHA) 2005	
Materials that can be formed when handling this product: Non- specified (inert or		TWA	5 mg/m3 respirable	US (OSHA) 2005	

Consult local authorities for acceptable exposure limits.

Exposure controls

nuisance) dust

Engineering measures

Follow the recommendations in 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. Equipment and vessels handling combustible dust from this material should be designed to either prevent dust explosions (inerting) or safely vent dust explosions per NFPA 654 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
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	injury or other irritation to eyes due may result from handling this produc	
Skin and body protection	: Wear suitable protective clothing.	
Hygiene measures	 Selection of appropriate personal pr be based on an evaluation of the per of the protective equipment relative performed, conditions present, dura hazards and/or potential hazards th during use. Use good personal hygiene practice Wash hands before eating, drinking. 	rformance characteristics to the task(s) to be tion of use, and the at may be encountered s.
	facilities.	
	Take off contaminated clothing and	wash before reuse.
PHYSICAL AND CHEMICAL PI	OPERTIES	
Appearance Color	: Pellets. : gray	
Odor	: Slight.	
Odor Threshold	: No value available.	
Flash point	: No Data Available.	
Lower explosion limit	: The minimum explosive concentrat varies according to particle size dis	
Upper explosion limit	: Not applicable.	
Flammability (solid, gas)	: Polymer will burn but does not easi	ly 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.	
Vapor pressure	: Not applicable.	
Density	: < 1 g/cm3	
Water solubility	: Insoluble.	

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AFETY DATA SHEET	Iyondellbase		
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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.		
Other Information	: No additional information available.		
STABILITY AND REACTIVITY	· · · · · · · · · · · · · · · · · · ·		
Reactivity	: No known reactivity hazards.		
Chemical stability	: Stable under normal conditions.		
Hazardous reactions	: Will not occur.		
Conditions to avoid	: Avoid contact with strong oxidizers, excessive heat, sparks or open flame.		
Materials to avoid	: Material may be softened by some hydrocarbons.		
Hazardous decomposition	: Not expected to decompose under normal conditions.		
products Thermal decomposition	: Carbon monoxide, olefinic and paraffinic compounds, trace amounts of organic acids, ketones, aldehydes and alcohols may be formed.		
TOXICOLOGICAL INFORMA	ΓΙΟΝ		
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.		
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SAFETY DATA SHEET	Poncip1	astics.com	1 1 111 11		
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Hifax TYC 773P 5PQA			Gen. Variant: SDS_US_GHS		
Version 1.1 Revision Date		Print Date 12/23/2			
Respiratory or skin sensitization	: Not classi	fied			
Chronic toxicity					
Component Name	NTP	IARC	OSHA		
Titanium Dioxide		2B	Present		
Carcinogenicity	: Not classi	fied			
	Not classified Contains component(s) listed by IARC as possibly carcinogenic to humans. This material is encapsulated in a thermoplastic resin with limited release under normal conditions of use, transportation, and storage.				
Germ cell mutagenicity	: Not classi	fied			
Reproductive toxicity					
Effects on fertility / Effects on or via lactation	: Not classi	fied			
Effects on Development	: Not classi	fied			
Target Organ Systemic Toxicant - Single exposure		ance or mixture is no cant, single exposure	t classified as specific target e.		
Target Organ Systemic Toxicant - Repeated exposure		ance or mixture is no cant, repeated expos	t classified as specific target sure.		
Aspiration hazard	: Not applic	able.			
12. ECOLOGICAL INFORMATION	I				
Ecotoxicology Assessment					
Acute aquatic toxicity	: Not classi	fied			
Chronic aquatic toxicity	: Not classi	fied			
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Hifax TYC 773P 5PQA	
Version 1.1 Revision Date	12/19/2017 Print Date 12/23/2019 SDS No.: BE5559
Persistence and degradability	
Biodegradability	: Not expected to be biodegradable.
Bioaccumulative potential	
Bioaccumulation	: This material is not expected to bioaccumulate.
Mobility in soil	
Additional advice	: This material is not volatile and insoluble in water.
Environmental fate and pathways	
Results of PBT and vPvB assessn	nent
Not applicable.	
Additional ecological	: Ecotoxicity is expected to be minimal based on the low water
information	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	
Waste treatment methods	
Product	: All recovered material should be packaged, labeled,
Floddet	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.
	: This material is classified as a Non-hazardous Material by
	RCRA.
14. TRANSPORT INFORMATION	
Not regulated for transport	
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Gen. Variant: SDS US GHS

Hifax TYC 773P 5PQA DK NTRL

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Revision Date 12/19/2017

Print Date 12/23/2019

SDS No.: BE5559

15. REGULATORY INFORMATION

If identified components of this product are listed under the TSCA 12(b) Export Notification rule, they will be listed below.

SARA 302/304

This product contains no known chemicals regulated under SARA 302/304.

SARA 311/312

Based upon available information, this material is classified as the following health and/or physical hazards according to Section 311 & 312:

Physical Hazards

Combustible dust

SARA 313

This product contains no known chemicals regulated under SARA 313.

State Reporting

This material may contain trace levels of the following chemical substance(s) regulated under California Proposition 65. However, LyondellBasell has not tested for the presence of listed chemical substances. It is the responsibility of the California business owner to develop his or her own regulatory compliance plan. Contact Product Safety for further information at product.safety@lyb.com.

Substance	CASRN	Type of Tox	icity		
		Carcinogen	Developmental	Repro-Male	Repro-
					Female
Lead	7439-92-1	Х	Х	Х	Х
Cadmium	7440-43-9	Х	Х	Х	
Chromium	7440-47-3	Х			
Arsenic	7440-38-2	Х			
Nickel	7440-02-0	Х			
Mercury	7439-97-6		Х		

This product contains the following chemicals regulated by New Jersey's Worker and Community Right to Know Act:

14807-96-6 Talc, Magnesium Silicate

This product contains the following chemicals regulated by Massachusetts' Right to Know Law:

14807-96-6 Talc, Magnesium Silicate

This product contains the following chemicals regulated by Pennsylvania's Right to Know Act:

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Hifax TYC 773P 5PQA DK NTRL

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Talc, Magnesium Silicate 14807-96-6 1333-86-4 Carbon Black

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

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 preregistered or, where required under REACh, registered, and that we have the intention to proceed with their registration in accordance with the deadlines set forth in REACh. (Regulation (EU) No. 1907/2006)

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

16. OTHER INFORMATION

Material safety datasheet sections which have been updated:

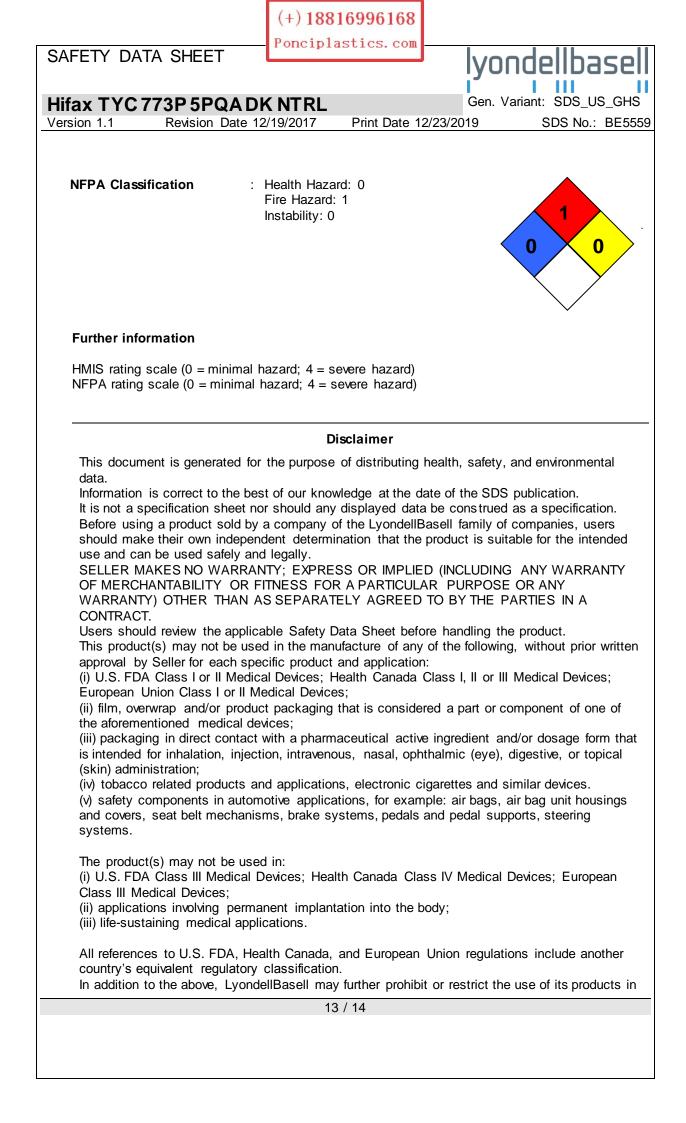
Revised Section(s): 1 15 16 December 14 2017

HMIS Classification

: Health Hazard: 0 Flammability: 1 Physical hazards: 0



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SAFETY DATA SHEET

Hifax TYC 773P 5PQA DK NTRL

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Disclaimer

certain applications. For further information, please contact a LyondellBasell representative.

Adflex, Adstif, Adsyl, Akoafloor, Akoalit, Alastian, Alathon, Aquathene, Avant, Catalloy, Clyrell, Dexflex, Flexathene, Hifax, Hipolyene, Histif, Hostacom, Hostalen, Indure, Integrate, Koattro, Lucalen, Luflexen, Lupolen, Metocene, Microthene, Moplen, Nexprene, Petrothene, Plexar, Pristene, Pro-Fax, Purell, Sequel, SJS, Softell, Starflex, Ultrathene, and Valtec are trademarks owned or used by the LyondellBasell family of companies.

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Product Information

HMIS rating scale (0 = minimal hazard; 4 = severe hazard) NFPA rating scale (0 = minimal hazard; 4 = severe hazard)

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