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SAFETY DATA SHEET	Ponciplastics.com
	lyondellbase
lifax EP2015/60	Gen. Variant: SDS_US_GHS
Version 1.3 Revision Dat	te 10/02/2019 Print Date 01/06/2022 SDS No.: BE54
IDENTIFICATION OF THE SU	BSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
Trade name	: Hifax EP2 015/60
CAS Number: Chemical name	: Mixture : Compounded polyolefin
Synonyms	: Polyolefin, Compounded polymer
Identified uses	: Manufacture of plastic articles by injection molding, extrusion
	or other conversion process.
Prohibited uses	: FDA Class III medical devices; European class III medical devices; Health Canada class IV Medical Devices;
	Applications involving permanent implantation into the body;
	Life-sustaining medical applications
<u>Company Address</u> Equistar Chemicals, LP	<u>Company Telephone</u> Customer Service 888 777-0232
LyondellBasell Tower, Suite	
1221 McKinney St.	
P.O. Box 2583	
Houston Texas 77252-2583	\$
Emergency telephone num	<u>ıber</u>
EQUISTAR 800-245-4532	
E-mail address	: product.safety@lyb.com
Responsible/issuing person	
HAZARDS IDENTIFICATION	
GHS Classification	
Combustible dust	
Label elements	
Signal word	: Warning
Hazard Statements	: If small particles are generated during further processing,
	handling or by other means, may form combustible dust concentrations in air.
Other hazards	
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No additional information		<u>0/2022 303 No DE3</u>
COMPOSITION/INFORMATIO	N ON INGREDIENTS	
xtures Components		
Chemical name	CAS-No.	<u>Weight %</u>
Proprietary blend of polyolefir polymers	nic Mixture	98.0 - 100.0 %
Contains: Additives and stal	bilizers	
FIRST AID MEASURES General advice	: Take proper precautions to before attempting rescue a	ensure your own health and safe nd providing first aid.
If inhaled	medical attention. In case of excessive inhala during heating of this mate Obtain medical attention.	r. If signs/symptoms continue, get tion of fumes that may be genera rial, move the person to fresh air. ssary give Cardio-Pulmonary
In case of skin contact	large amounts of water to c Do not attempt to peel poly skin.	the skin, immediately flush with cool the affected tissue and polym mer from skin as this will remove cy medical attention if burn is dea
In case of eye contact	: Flush eyes thoroughly with medical attention if discoming	water for several minutes and se fort persists.
	minutes.	with cool running water for at lease attempt to remove the material
If swallowed	: Adverse health effects due	to ingestion are not anticipated.

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Notes to physician	
Symptoms	: Inhalation of process fumes and vapors may cause soreness 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 or symptoms and the clinical condition of the patient.
FIRE-FIGHTING MEASURES	
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 media	: None known.
Specific hazards during fire fighting	<ul> <li>Keep away from heat and sources of ignition.</li> <li>In case of fire hazardous decomposition products may be produced such as:</li> <li>Carbon monoxide, carbon dioxide and unburned hydrocarbon (smoke).</li> </ul>
Special protective equipment for fire-fighters	: Wear approved positive pressure self-contained breathing apparatus and firefighter protective clothing.
Further information	<ul> <li>Combustible particulate solid, will decompose under fire conditions.</li> <li>Calorific Value: 8000 - 11000 kcal/kg</li> <li>Fight fire from safe distance with hose lines or monitor nozzle Heat from fire may melt, decompose polymer, and generate flammable vapors.</li> <li>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.</li> </ul>
	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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AFETY DATA SHEET	Ponciplastics.com
ifax EP2 015/60	Gen. Variant: SDS_US_GF
ersion 1.3 Revision Date	10/02/2019 Print Date 01/06/2022 SDS No.: BE5
ACCIDENTAL RELEASE MEAS	URES
Personal precautions	<ul> <li>Equip responders with proper protection. Creates dangerous slipping hazard on any hard smooth surface.</li> <li>Equip emergency responders with proper personal protective equipment (PPE)</li> <li>Avoid generating dust.</li> <li>Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).</li> <li>Potential combustible dust hazard.</li> <li>Polymer particles create slipping hazard on hard smooth surfaces.</li> </ul>
Environmental precautions	: Do not flush into surface water or sanitary sewer system.
Methods for containment / Methods for cleaning up	<ul> <li>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.</li> <li>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.</li> </ul>
Handling and storage	
Precautions for safe handling	
Advice on safe handling	<ul> <li>Material is in a pellet form.</li> <li>If converted to small particles during further processing, handling, or by other means, may form combustible dust concentrations in air.</li> <li>Avoid dust accumulation in enclosed space.</li> <li>Use dust collection systems designed per NFPA 654 to avoid dust accumulation.</li> <li>Avoid generating dust; fine dust suspended in air and in the presence of an ignition source is a potential dust explosion hazard.</li> <li>Static discharge (spark), or other ignition sources, in high du environments may ignite the dust and result in a dust explosion</li> <li>Electrostatic charge may build during conveying or handling.</li> <li>Equipment handling polymer should be conductive and</li> </ul>
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Hifax EP2 015/	<b>20</b>			Gen. Variant:	SDS_US_GHS
	vision Date 10	/02/2019	Print Date 01/		SDS No.: BE5486
Fire-fighting class	:	grounded Metal cont should be All electric codes and combustib After hand water. When brin may develo section 10 Refer to N Dust Explo Handling c	(earthed) and bo ainers involved in grounded and bo al equipment sho regulatory requir le dusts. ling, always wash ging the material op may condense FPA 654, Standa osions from the M of Combustible Parill burn but does	nded. In the transfer of this onded. Duld conform to app rements for areas h h hands thoroughly to processing temp e in the exhaust ver ard for the Preventio Manufacturing, Proce articulate Solids, for not easily ignite.	a material licable electric andling with soap and peratures vapors ntilation. See n of Fire and essing, and
Conditions for sa	fe storage, ind	cluding any	incompatibiliti	es	
Requirements for s areas and containe	ers	Use good and handli should be Store away oxidizing a Keep cont	ng. Process encl used to avoid ex y from excessive agents. ainer closed to p	actices during stora losures and adequa cessive dust accum heat and away fron revent contaminatio the build up of elect	te ventilation julation. n strong n.
Specific end use(	•	See Section	on 1.		
8. EXPOSURE CONTR	OLS/PERSON	AL PROTE	CTION		
Control parameters					
Ingredients with	workplace cor	trol param	eters		
Occupational Exp	osure Limits				
Components	CAS-No.	Туре	Limit Value	Basis	Additional
Materials that can be formed when handling this product: Non- specified (inert or nuisance) dust		TWA	10 mg/m3 inhalable	Revision Date US (ACGIH) 2005	Information
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Hifax EP2 015/60			Gen. Varian	t: SDS_US_GHS
Version 1.3 Revision D	Date 10/02/2019	Print Date 01/0	06/2022	SDS No.: BE5486
Materials that can be formed when handling this product: Non- specified (inert or nuisance) dust	TWA	3 mg/m3 respirable	US (ACGIH) 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 nuisance) dust	TWA	5 mg/m3 respirable	US (OSHA) 2005	

Consult local authorities for acceptable exposure limits.

#### **Exposure controls**

#### 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	<ul> <li>Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.</li> <li>When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.</li> <li>Use appropriate respiratory protection where atmosphere exceeds recommended limits.</li> <li>Where workers could be exposed to dust concentrations above the exposure limit they must use appropriate certified respirators.</li> </ul>
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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(+) 18816996168 Ponciplastics.com SAFETY DATA SHEET Iyondellbase .... Gen. Variant: SDS US GHS Hifax EP2 015/60 Version 1.3 Revision Date 10/02/2019 Print Date 01/06/2022 SDS No.: BE5486 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. : Selection of appropriate personal protective equipment should Hygiene measures 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. 9. PHYSICAL AND CHEMICAL PROPERTIES Appearance Pellets. : Color Translucent to white · Odor Slight. Odor Threshold : No value available. 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. Vapor pressure : Not applicable. < 1 g/cm3 Density Water solubility : Insoluble. 7 / 13

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Partition coefficient: n- octanol/water	: No Data Available.
Viscosity, dynamic	: Not applicable.
Relative vapor density	: Not applicable.
Evaporation rate	: Not applicable.
Explosive properties	: No Data Available.
Other Information	: No additional information available.
0. STABILITY AND REACTIVITY	1
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.
1. TOXICOLOGICAL INFORMAT	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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Respiratory or skin sensitization	: Not classified
Chronic toxicity	
Carcinogenicity	: Not classified
	Not classified Not listed by IARC, NTP, OSHA or EPA.
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 Toxicant - Single exposure	: The substance or mixture is not classified as specific target organ toxicant, single exposure.
Target Organ Systemic Toxicant - Repeated exposure	: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Aspiration hazard	: Not applicable.
12. Ecological information	
Ecotoxicology Assessment	
Short-term (acute) aquatic	: Not classified
hazard Long-term (chronic) aquatic hazard	: Not classified
Persistence and degradability	
Biodegradability	: Not expected to be biodegradable.
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Version 1.3 Revision Date 10/02/2019 Print Date 01/06/2022 S	
Bioaccumulative potential	
<b>Bioaccumulation</b> : This material is not expected to bioaccumulate.	
Mobility in soil	
Mobility : no data available	
Other adverse effects	
Environmental fate and : This material is not volatile and insoluble in water pathways	ter.
Other information	
Additional ecological information: Ecotoxicity is expected to be minimal based on solubility of polymers. No data available on this product. However, bi other wildlife may eat pellets which may obstru intestinal tracts.	rds, fish and
13. Disposal considerations	
Waste treatment methods         Product       : All recovered material should be packaged, lab transported and disposed of or reclaimed in co applicable laws and regulations and in conform engineering practices. Reclaim where possible	nformance with ance with good
Recycle if possible.	
: This material is classified as a Non-hazardous RCRA.	Material by
14. TRANSPORT INFORMATION         Not regulated for transport	
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## **15. REGULATORY INFORMATION**

## TSCA 12b

No substances are subject to TSCA 12(b) export notification requirements.

## Significant New Use Rules (SNUR)

No substances are subject to a Significant New Use Rule.

## 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:

Combustible dust

## SARA 313

This product contains no known chemicals regulated under SARA 313.

## State Reporting

This material does not contain listed substance(s) known to the State of California to cause cancer, birth defects, or other reproductive harm that would require warning under the California Proposition 65 State Drinking Water and Toxic Enforcement Act. However, LyondellBasell has not tested for the presence of listed chemical substances.

This product contains no known chemicals regulated by New Jersey's Worker and Community Right to

Know Act.

No components are subject to the Massachusetts Right to Know Act.

This product contains no known chemicals regulated by Pennsylvania's Right to Know Act.

## 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.

Australia AICS Compliant	ountry/Region	Inventory	Status Description			
11 / 13	ustralia	AICS	Compliant			
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1	Canada	DSL	Compliant				
-	China	IECSC	Compliant				
	Europe	REACH	See REACH Compliance Statement				
	Japan	ENCS	Compliant				
	Korea	KECI	Compliant				
	New Zealand	NZIOC	Compliant				
	Philippines United States of America	PICCS TSCA	Compliant Compliant				
	Taiwan	TCSCA	Compliant				
L	Taiwan	TOODA	Compilant				
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) Contact product.safety@lyb.com for additional global inventory information.							
	ER INFORMATION terial safety datasheet section	ons which have	been updated:				
Mat		ons which have	been updated:				
<b>Mat</b> Rev	terial safety datasheet section ised Section(s): 15 16 S Classification : H	ons which have Health Hazard: 0 Flammability: 1 Physical hazards:					
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SAFETY DATA SHEET	Ponciplastics.com	lyondellbasell				
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	Disclaimer					
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<u>Numerical Data Presentation</u> 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.						
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End of Material Safety Data Sheet						
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