(+) 18816996168 Ponciplastics.com SAFETY DATA SHEET Iyondellbase .... Gen. Variant: SDS US GHS Alathon M4621 Version 1.0 Revision Date 04/16/2015 Print Date 04/12/2017 SDS No.: BE6510 SECTION 1. PRODUCT AND COMPANY IDENTIFICATION Product name : Alathon M4621 CAS Number: 26221-73-8 Chemical characterization : Polyethylene copolymer Chemical Name : 1-Octene, polymer with ethene Ethylene-1-octene copolymer, 1-Octene-ethylene copolymer, Synonyms : Polyethylene, PE, Ethene/Octene Copolymer 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 Equistar Chemicals, LP Company LyondellBasell Tower, Suite 300 1221 McKinney St. P.O. Box 2583 Houston Texas 77252-2583 Customer Service 888 777-0232 Telephone : Product Safety 800 700-0946 Emergency telephone : CHEMTREC USA 800-424-9300 EQUISTAR 800-245-4532 product.safety@lyb.com E-mail address **SECTION 2. HAZARDS IDENTIFICATION** GHS Classification OSHA Hazard Category: Combustible Dust Label elements Signal Word : Warning Hazard Statements If small particles are generated during further processing, 5 handling or by other means, may form combustible dust concentrations in air. Other hazards No additional information available. 1/13

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Composition/information on ing	gredients	
tures		
Ingredients		
Chemical Name	CAS-No.	<u>Weight %</u>
1-Octene, polymer with ethene	26221-73-8	> 99.5 %
Contains: Stabilizers		
CTION 4. FIRST AID MEASURE	S	
First aid procedures		
General advice	: Take proper precautions t	o ensure your own health and safe
	before attempting rescue	
If inhaled	: Remove person to fresh a	ir. If signs/symptoms continue, ge
	medical attention.	
		ation of fumes that may be of this material, move the person t
	fresh air.	<i>i</i> 1
	Obtain medical attention.	essary give Cardio-Pulmonary
	Resuscitation (CPR)	socially give outline i annonary
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 pol	ymer from skin as this will remove
	the skin.	-
	Obtain immediate emerge or extensive.	ncy medical attention if burn is de
In case of eye contact	· Fluch avec thoroughly with	water for coveral minutes and co
in case of eye contact	medical attention if discon	n water for several minutes and se nfort persists.
	In case of eye contact with	n molten polymer:
	Continuously flush eye(s)	with cool running water for at leas
	15 minutes.	attempt to remove the material
	adherent to the eye(s).	
	Immediately seek medical	attention.
If swallowed	: Adverse health effects due	e to ingestion are not anticipated.
Notes to physician		
Symptoms	: Inhalation of process fume	es and vapors may cause sorenes
- 7	in the nose and throat and	
Hazards	: Dust contact with the eyes	can lead to mechanical irritation.
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	Molten polymer may cause thermal burns.
Treatment	: Treatment of overexposure should be directed at the control o symptoms and the clinical condition of the patient.
SECTION 5. FIRE-FIGHTING MEA	SURES
Flammable properties	
Autoignition temperature	: > 572 °F (300 °C)
Lower explosion limit	: The minimum explosive concentration (MEC) for polymer dust varies according to particle size distribution.
Upper explosion limit	: Not applicable.
Fire fighting	
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.
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 nozzles.</li> <li>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.</li> <li>Evacuate immediately in the event of opening of storage container pressure relief devices or discoloration of container.</li> <li>Always stay away from tanks engulfed in fire.</li> <li>Do not attempt to get on top of storage containers involved in fire.</li> <li>Cool storage containers with large volumes of water even after fire is out.</li> </ul>
Protective equipment and pr	ecautions for firefighters
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 hydrocarbons (smoke).</li> </ul>
Special protective equipment	: Wear approved positive pressure self-contained breathing
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for fire-fighters	apparatus and firefighter protective clothing.
CTION 6. ACCIDENTAL RELE	ASE MEASURES
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.</li> <li>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>
CTION 7. HANDLING AND ST	ORAGE
Handling	
Advice on safe handling	<ul> <li>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 dus 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. Metal containers involved in the transfer of this material should be grounded and bonded. All electrical equipment should conform to applicable electric codes and regulatory requirements for areas handling combustible dusts. After handling, always wash hands thoroughly with soap and</li> </ul>

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	may develo section 10. Refer to NF Dust Explos	p may conder PA 654, Stan sions from the	nse in the exhaust dard for the Preve Manufacturing, P	ention of Fire and
Storage				
Requirements for storage : areas and containers	and handlin should be u Store away oxidizing ag Keep conta	ousekeeping   g. Process en lsed to avoid e from excessiv gents. iner closed to	closures and ade excessive dust ac ve heat and away prevent contamin	cumulation. from strong

# 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		TWA	10 mg/m3	US (ACGIH)	
be formed when			inhalable	2005	
handling this					
product: Non-					
specified (inert or					
nuisance) dust					
Materials that can		TWA	3 mg/m3	US (ACGIH)	
be formed when			respirable	2005	
handling this					
product: Non-					
specified (inert or					
nuisance) dust					
Materials that can		TWA	15 mg/m3	US (OSHA)	
be formed when			total dust	2005	
handling this					
product: Non-					
specified (inert or					
nuisance) dust					

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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 author	rities for acceptable	e 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	:	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.
Hygiene measures	:	Selection of appropriate personal protective equipment should 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.
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	Take off contaminated clothing and wash before reuse.
CTION 9. PHYSICAL AND CH	
Appearance	
Physical state	: Pellets.
Color	: Translucent to white
Odor	: Slight.
Safety data	
Lower explosion limit	: The minimum explosive concentration (MEC) for polymer due 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	: > 572 °F (300 °C)
Decomposition temperature	: not determined
рН	: Not applicable.
Melting point/range	: 122 - 338 °F (50 - 170 °C)
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.
Evaporation rate	: Not applicable.
Explosive properties	: No Data Available.
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Remarks - Other information	: No additional information available.
ECTION 10. STABILITY AND R	EACTIVITY
Reactivity	: No known reactivity hazards.
Chemical stability	: Stable under normal conditions.
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.
Hazardous reactions	: Will not occur.
ECTION 11. TOXICOLOGICAL	
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
	Not listed by IARC, NTP, OSHA or EPA.

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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 INFORMATIO	'n
Ecotoxicology Assessmen	t
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
Persistence and degradability	
Biodegradability	: Not expected to be biodegradable.
Bioaccumulative potential	
Bioaccumulation	: This material is not expected to bioaccumulate.
Mobility in soil	
Additional advice Environmental fate and pathways	: This material is not volatile and insoluble in water.
Results of PBT and vPvB asses	ssment
Not applicable.	
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Other adverse effects	
Additional ecological information	<ul> <li>Ecotoxicity is expected to be minimal based on the low water solubility of polymers.</li> <li>No data available on this product. However, birds, fish and other wildlife may eat pellets which may obstruct their intestinal tracts.</li> </ul>
SECTION 13. DISPOSAL CONSIDE	RATIONS
Further information	: 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.
	This material is classified as a Non-hazardous Material by RCRA.
SECTION 14. TRANSPORT INFOR	ΜΑΤΙΟΝ
Not regulated for transport	
SECTION 15. REGULATORY INFO	RMATION

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 313**

This product contains no known chemicals regulated under SARA 313.

### **State Reporting**

This material is not known to contain a chemical substance known to the State of California to cause cancer, reproductive, or developmental toxicity under California Proposition 65. 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

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### **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.

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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 Determined

### 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.

### **SECTION 16. OTHER INFORMATION**

Further information HMIS Classification	: Health Hazard: 0 Flammability: 1 Physical hazards: 0	0 1 0				
NFPA Classification	: Health Hazard: 0 Fire Hazard: 1 Instability: 0					
Other Information         HMIS rating scale (0 = minimal hazard; 4 = severe hazard)         NFPA rating scale (0 = minimal hazard; 4 = severe hazard)         Material safety datasheet sections which have been updated:         11/12						
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### Material safety datasheet sections which have been updated:

Updated format ; First Edition April 15 2015

### Disclaimer

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