

Product Name:		1. Product and Co	mpany Identification
	:	Linear Low Density Polyethyle	
Trade Name:		Certene	
Company Na	ime:	Muehlstein	
		Ravago Americas 10 Westport Rd	
		Wilton, CT 06897	
Web site add	Iress:	www.muehlstein.com	
Emergency C	Contact:	ChemTrec: (800) 424-9300	
Information:		1-800-25-RESIN	
		2. Hazards	Identification
Combustible D	Dust		
GHS Signal Wo		Warning	
GHS Hazard Pl	hrases:	•	ncentrations in air. While this product may not be a combustible dust handling may form combustible dust concentrations in air.
GHS Precautio	on Phrases:	No phrases apply.	
GHS Response	e Phrases:	No phrases apply.	
GHS Storage a Phrases:	ind Disposal	No phrases apply.	
OSHA Regulate	ory Status:	•	ed in accordance with the hazard communication standard 29 CFR s contain all the information as required by the standard.
Potential Healt	h Effects (Acute		ct are embedded in an impervious polymer matrix and therefore risk under normal conditions of processing and handling.
Inhalation:			process may cause eye, skin and respiratory irritation. a material transfer, grinding, sanding or sawing can produce
Skin Contact:		Heated material can cause the	ermal burns resulting in pain, redness and blistering.
Eye Contact:		May cause eye irritation.	
Ingestion:		May be harmful if swallowed.	
Medical Condit Aggravated By	-	None known.	
	3.	Composition/Info	rmation on Ingredients
CAS #	Hazardous Comp	oonents (Chemical Name)	Concentration
	NONE		~100 %

	4. First Aid Me	easures			
Emergency and First Aid Procedures:	For processing fume inhalation, leave the contaminated area and breathe fresh air.				
In Case of Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.				
In Case of Skin Contact:	Get medical aid if irritation develops o	r persists. Flush skin with plenty of soa	p and water.		
In Case of Eye Contact:	ase of Eye Contact: In case of contact, immediately flush eyes with copious amounts of water for at least {15} min				
In Case of Ingestion:	If swallowed, wash out mouth with water provided person is conscious. Call a physician.				
Signs and Symptoms Of					
xposure: present a negligible exposure risk under normal processing conditions.					
Note to Physician:	None				
	5. Fire Fighting	Measures			
Flash Pt:	NA Method Used: Not Applicable				
Explosive Limits:	LEL: NA UEL: NA				
Autoignition Pt:	NA				
Suitable Extinguishing Media:	<b>Extinguishing Media:</b> Water spray and foam. Water is the best extinguishing medium.				
Fire Fighting Instructions:	Emits toxic fumes under fire conditions. Approved positive pressure demand breathing apparatus (SCBA) and protective clothing should be used for all fires.				
Flammable Properties and		d carbon monoxide generated when the material burns.			
Hazards:	Combustible Dust may form during material transfer. Estimated Dust Explosion Class = ST2; Kst estimated (bar.m/s): >200 - =300</th				
Hazardous Combustion	No data available.				
Products:					
	6. Accidental Relea	se Measures			
Steps To Be Taken In Case Material Is Released Or Spilled:	Vacuum or sweep up material and pla	ace into a suitable disposal container.			
	7. Handling and	d Storage			
Precautions To Be Taken in	Use with adequate ventilation. Minimized	ze dust generation and accumulation a	s combustible dust		
Handling:	mixtures may be formed.				
Precautions To Be Taken in Storing:	Store in a cool, dry place.				
8. Exposure Controls/Personal Protection					
CAS # Partial Chemica	I Name OSHA TWA	ACGIH TWA	Other Limits		
NA NONE	No data.	No data.	No data.		
Respiratory Equipment (Specify Type):	Follow the OSHA respirator regulation {149}. Use a NIOSH/MSHA or Europe are exceeded or if irritation or other sy	ean Standard EN {149} approved respir	-		
Eye Protection:		es or chemical safety goggles as descr 10.133} CFR {1910.133} or European S			
Protective Gloves:	Wear appropriate protective gloves to minimize skin exposure.				
Other Protective Clothing:	Wear appropriate protective clothing t	o minimize contact with skin.			
Engineering Controls (Ventilation etc.):	Use adequate ventilation to keep airbound exhaust ventilation, or other engineering exhaust ventilation, or other engineering exhaust ventilation.	orne concentrations low. Use process end of the process of ng controls to control airborne levels.	enclosure, local		
Licensed to Ravago Americas			GHS forma		

Work/Hygienic/Maintenance Wash thoroughly after handling. Practices:

	9. Physical and Chemical Properties
Physical States:	[]Gas []Liquid [X]Solid
Appearance and Odor:	Pellets with slight or no odor.
pH:	No data.
Melting Point:	100.00 C (212.0 F) - 140.00 C (284.0 F)
Boiling Point:	ΝΑ
Flash Pt:	NA Method Used: Not Applicable
Evaporation Rate:	NA
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: NA UEL: NA
Vapor Pressure (vs. Air or mm	NA
Hg):	
Vapor Density (vs. Air = 1):	NA
Specific Gravity (Water = 1):	>1
Solubility in Water:	NA
Solubility Notes:	Insoluble in cold water.
Octanol/Water Partition	No data.
Coefficient:	
Percent Volatile:	< 1.0 %
Autoignition Pt:	NA
Decomposition Temperature:	> 300.00 C (572.0 F)
Viscosity:	No data.
	10. Stability and Reactivity
Stability:	Unstable [ ] Stable [ X ]
Conditions To Avoid - Instability	: Stable under recommended conditions of storage and handling.
Incompatibility - Materials To Avoid:	No special recommendations.
Hazardous Decomposition or Byproducts:	Processing fumes evolved at recommended processing conditions may include trace levels of low molecular weight hydrocarbon fragments, carbon dioxide, carbon monoxide and Irritating fumes and gases.
	Will occur [ ] Will not occur [ X ]
Possibility of Hazardous Reactions:	
Reactions:	
Reactions:	is Under normal conditions of use, hazardous decomposition will not occur.
Reactions: Conditions To Avoid - Hazardou	

11. Toxicological Information							
Toxicological In Carcinogenicity Information:		No data available.					
CAS #	Hazardous Com	ponents (Chemical Name)	N	ITP	IARC	ACGIH	OSHA
NA	NONE		n	.a.	n.a.	n.a.	n.a.
		12. Ecological	l Inform	ation			
General Ecolog	jical Information:	This product is not classified as e possibility that large or frequent s		-			
	d Degradability:	No data available.					
Bioaccumulativ		This product will not readily bioaccumulate due to its insolubility in water.					
Mobility in Soil	:	Soil mobility is expected to be negligible, because the product is insoluble in water.					
		13. Disposal Co	onsider	ations			
Waste Disposa	, Montou.	Chemical waste generators must hazardous waste. US EPA guide Parts {261.3}. Additionally, waste regulations to ensure complete a RCRA P-Series: None listed. RCRA U-Series: None listed.	lines for the generators	classificat must cons	ion determina sult state and	tion are listed	in {261} CFR
		14. Transport	Inform	ation			
DOT Prope DOT Hazar UN/NA Nur AIR TRANSPO	AND TRANSPORT (US DOT): DOT Proper Shipping Name: Not regulated as a hazardous material. DOT Hazard Class: UN/NA Number: AIR TRANSPORT (ICAO/IATA): ICAO/IATA Shipping Name: Non-Hazardous for Air Transport.						
			-				
15. Regulatory Information							
CAS#	Hazardous Com NONE	ents and Reauthorization Act o ponents (Chemical Name)	<b>S. 302 (EH</b> No	S)	<b>S. 304 RQ</b> No	<b>S. 313</b> No	i (TRI)
'Hazard Catego	This material meets the EPA [] Yes [X] No Acute (immediate) Health Hazard   'Hazard Categories' defined for [] Yes [X] No Chronic (delayed) Health Hazard   SARA Title III Sections 311/312 [X] Yes [] No Fire Hazard   as indicated: [] Yes [X] No Sudden Release of Pressure Hazard   [] Yes [X] No Reactive Hazard						
CAS #	Hazardous Com	ponents (Chemical Name)	Other US E	PA or St	ate Lists		
NA	NONE		CAA HAP,0	ODC: No;	CWA NPDE	S: No; TSCA:	No
CAS # NA	Hazardous Com NONE	ponents (Chemical Name)	Internation Canadian I REACH: N	DSL: No;	-	SL: No; Mexi	co INSQ: No;

Page: 5 Printed: 09/17/2015 Revision: 09/17/2015 Supersedes Revision: 06/30/2015

16. Other Information			
Revision Date:	09/17/2015		
Preparer Name:	Safety & Environmental Department		
Additional Information About	Information given herein is offered in good faith as accurate, but without guarantee. The condition		
This Product:	of use and suitability of the product for an application is beyond our control. All risks of use of the		
	product are therefore assumed by the user and we expressly disclaim all warranties of every kind		
	of nature, including warranties of merchantability and fitness for a particular purpose in respect to		
	the use or suitability of this product. Appropriate warnings and safe handling procedures should b		
	provided to handlers and users.		
	OSHA HAZCom Label for Combustible Dust Hazard:		
	Ravago Americas LLC		
	1900 Summit Tower Blvd.		
	Orlando, FL 32810		
	(407)875-9595		
	Chem-Trec (800)424-9300		
	Warning: May Form Combustible Dust Concentrations in Air		
	Use Caution as Dust Clouds may be Explosive		
	Product is Static Accumulator		
	Avoid Heat, Sparks and Open Flame		
	Earth Whenever Possible		