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Date last revised 02/27/2015 By M. Lykins

MSDS-01

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I. Chemical Pr	oduct a	nd Compa	any Identificatio	n
Chemical Name & Synonyms		Trade Name & Synonyms		
Ultra-High Molecular Weight Polyethylene		TIVAR® 1000 UHMW-PE and		
		TIVAR® ECO UHMW-PE		
Chemical Family		Formula		
Linear High Density Polyethylene		(ch2-ch2)n		
Proper DOT Shipping Name: N/A		DOT Hazard Classification: N/A		
Manufacturer: Plastruct Polyzone Canada Inc.		Chemtrec Phone Number		
4305 Springcreek Rd.				
Vineland, ON CA LOR 2C0		1-800-424-9300		
1 800 642 7797				
	II. Ingre	dients		
Principal Components	Percent		Threshold Limit Value	OSHA PEL
Polyethylene (9002-88-4)	>99%		10 mg/m3	15 mg/m3
П	I. Physic	cal Data		
Boiling Point (Deg. F.)		Specific Gravity (H20=1)		
N/A		.9394		
Vapor Pressure (mm Hg)		Percent Volatile By Volume (%)		
N/A				
Vapor Density (Air=1)		Evaporation Rate (Air =1)		
N/A		N/A		
Solubility in Water		рН		
Negligible		N/A		
Appearance & Odor				
Waxy Solid with waxy odor. White, black, or green col	lor.			
IV. Hazard Identif	ication/F	Fire & Exp	olosion Hazard	
Flash Point (Test Method) ->350°C (662° F.) (ASTM	-D-1929 Me	thod B)(Setch	kin)	
Auto Ignition Temperature - >350°C (662° F.)				
Flammable Limits LEI	 L	UEL		
N/A N/A		N/A		
Extinguishing Media				
Water, Foam, Carbon Dioxide, Dry Chemical				
Special Fire Fighting Procedures				
Firefighters should be equipped with positive pressure, NFPA Code: Fire 1, Health 1, Reactivity 0	, self-contair	ned breathing	apparatus in enclosed a	area.
HMIS Code: Fire 1, Health 0, Reactivity 0				
Unusual Fire & Explosion Hazards: Special conditions	to avoid			
Dust is flammable and explosive when finely divided an	nd suspende	d in air.		

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V. Health Hazard Data				
Carcinogen - NTP Program	Carcinogen - IARC Program			
NO	NO			
Route of Exposure				
Eye contact				
Physical Health Hazards:				
Dust may form explosive mixtures with air. Avoid dust formation suspended in air are combustible and may be explosive. Keep awa dust accumulations and dust clouds. Employ grounding, venting, a engineering practices and NFPA provisions in any process capable apply only to dusts, not granular forms of this product. See also Sp	y from heat, sparks, flame, and other ignition sources. Prevent and explosive relief provisions in accordance with accepted of generating dust and/or static electricity. Explosion hazards			
Signs and Symptoms of Acute Exposure:				
Molten polymer may cause thermal burns. At process temperatures, irritating fumes may cause soreness of the nose and throat. Mechanical irritation is possible.				
Primary Route(s) of Entry				
Inhalation of particulates.				
Emergency First Aid				
Inhalation: If symptoms are experienced, move victim to fresh air.	If symptoms persist, obtain medical attention.			
Eye Contact: Wash eyes with clean, low pressure water. If irritation persists, seek medical advice.				
Skin Contact:				
Molten material. If molten material comes in contact with the skin molten material from the skin. Get medical attention immediately.				
VI. Reactivity Data				
STABILITY Unstable	Conditions To Avoid			
X Stable	None Known			
INCOMPATABILITY	Materials To Avoid			
Hazardous May Occur	Strong oxidizing agents.			
Polymerization X Will Not Occur	Conditions To Avoid			
	None Known			
Hazardous Decomposition Products: Aliphatic Hydrocarbons				
VII. Environmental Protection Procedures				
Spill Response: Sweep up for Disposal or reuse.				
Waste Disposal Method: Incineration or landfill - dispose of in accordance with Federal, State and Local regulations.				
VIII. Special Protection Information				
Eye Protection: Glasses with side shields.				
Skin Protection: When handling molten material protective clothin heat-resistant gloves, boots and face protection.	ng such as long sleeves or laboratory coat should be worn. Use			
Respiratory Protection (Specific Type): NIOSH approved dust respond organic respirator.	pirator recommended. If material is being burned wear an			
Ventilation Recommended: Local ventilation in dusty conditions, o	r if thermal decomposition occurs.			
Other Protection: Gloves and protective garments when handling a Handling: The handling of powder in both loading and unloading and necessary precautions for personal protection (See Section VII precautions should be taken to avoid inhalation and eye contact.	operations, as well as fabrication, may cause dust to be formed,			
IX. Special Precautions/Information				
Hygienic Practices In Handling & Storage: Wash with soap and water.				
Precautions For Repair & Maintenance Of Contaminated Equipment: Eliminate ignition sources.				



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Transfer from storage with a minimum amount of dusting. Ground all transfer, blending, and dust collecting equipment to prevent static sparks in accordance with NFPA 70 "National Electric Code". Review and comply with all relevant NFPA provisions, including but not limited to NFPA 484 and NFPA 654 related to combustible dust hazards. Remove all ignition sources from material handling, transfer, and processing areas where dust may be present. Local exhaust ventilation should be provided in work area.

Other Precautions

Store in a sprinkler protected warehouse. Since TIVAR® products are polyethylene they will burn with a hot flame if ignited. Avoid contact with ignition sources such as open flames. Keep a fire extinguisher near if welding is done in the area of TIVAR® products. If a heat source is present, keep the area well ventilated.

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X. Regulatory Information

OSHA Status: Polyethylene is not considered hazardous under OHSA.

TSCA Inventory Status: All ingredients are listed.

CERCLA Reportable Quantity (RQ): None

SARA Title III:

Section 302/304. No extremely hazardous substances

Section 311/312.No reporting requirements although it is suggested that storage of >10,000 lbs of polyethylene in one facility should be listed on a Tier II report.

Section 313: No reporting requirements.

XI. Warning Labels

CAUTION: Please consult the product MSDS sheet for important information.

NFPA Code: Fire 1, Health 1, Reactivity 0 HMIS Code: Fire 1, Health 1, Reactivity 0

Hazard data contained herein was obtained from raw material suppliers. The information presented is believed to be factual, as it was derived from the works and opinions of persons believed to be qualified. However, no facts contained in the information are to be taken as a warranty, or representation, for which Plastruc Polyzone Canada Inc. bears legal responsibility. The user should review any recommendation in the specific context of the intended use to determine if they are appropriate.

N.A.= Not Applicable N.E.= Not Established



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