UHMW Material Safety Data Sheet

I. General Information					
Chemical Name & Synonyms		Trade Na me & Synonyms			
Ultra -High Molecular Weight Polyethylene		TIVAR 1000, Tivar Uniblend, Tivar Recycled			
Chemical Family Linear High Density Polyethylene		Formula (ch2-ch2)n			
Proper DOT Shipping Name		DOT Hazard Classification			
N/A		N/A			
Manufacturer		Manufacturer's Phone Number			
Poly Hi Solidur Inc.		(260) 479-4274			
Manufacturer's Address		Chemtrec Phone Number			
2710 American Way, Fort Wayne, IN 46809		1-800-424-9300			
II. Ingredients					
Principal Components	Percent		Threshold Limit Value (Units)		
Polyethylene (9002-88-4)	>99%		10 mg/m3 (total dust)		
III.	. Physica	l Data			
Boiling Point (Deg. F.)		Specific Gravity (H20=1)			
N/A		.9394			
Vapor Pressure (mm Hg) N/A		Percent Volatile By Volume (%)			
Vapor Density (Air=1) N/A		Evaporation Rate (Air =1) N/A			
Solubility in Water		pH			
Negligible		N/A			
Appearance & Odor Waxy Solid with waxy odor. White, black, or green color.					
IV. Fire & Explosion Hazard Data					
Flash Point (Test Method) - >350°C (662° F.) (ASTM -D-1929 Method B)(Setchkin) Auto Ignition Temperature ->350°C (662° F.)					
Flammable Limits LEL		UEL			
N/A N/A	N/A				
Extinguishing Media					
Water, Foam, Carbon Dioxide, Dry Chemical					
Special Fire Fighting Procedures					
Standard for Class A fire.					
Unusual Fi re & Explosion Hazards	ch) and	andad in air			
Dust is flammable when finely divided (less than 200 mesh) and suspended in air.					

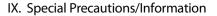


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V. Health Hazard Data				
3				
Symptoms of Exposure None Known				
Medical Conditions Aggravated By Exposure None known, however, seek medical attention if constant irritation occurs. If thermal decomposition occurs, upper respiratory, eye, nose, and throat irritation may result.				
Primary Route(s) of Entry Inhalation of particulates.				
Emergency First Aid Molten material. If molten material comes in contact with the skin, cool under running water. Do not attempt to remove the molten material from the skin. Get medical attention.				
VI. Reactivity Data				
STABILITY Unstable Stable INCOMPATABILITY Hazardous May Occur Polymerization X Will Not Occur	Conditions To Avoid None Known Materials To Avoid Strong oxidizing agents. Conditions To Avoid None Known			
Hazardous Decomposition Products Carbon Monoxide, Carbon Dioxide, selected Alkanes and Aldehydes including Acrolein and Formaldehyde.				
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 Skin Protection Glasses with side shields.				
Respiratory Protection (Specific Type): NIOSH ap proved dust respirator recommended. If material is being burned wear an organic respirator. Ventilation Recommended: Local ventilation in dusty conditions, or if thermal decomposition occurs.				
Other Protection Gloves and protective garments when handling m olten material.				



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Hygienic Practices In Handling & Storage

Wash with soap and water.

Precautions For Repair & Maintenance Of Contaminated Equipment

Eliminate ignition sources.

Other Precautions

Store in a sprinkler protected warehouse. Since TIVAR 1000, TIVAR Recycled, TIVAR Uniblend 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 1000, TIVAR Recycled, and TIVAR Uniblend. If a heat source is present, keep the area well ventilated

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

X. Regulatory Information

OSHA Status: Polyethyene is not considered hazardous under OHSA.

TSCA Inventory Status: All ingredients are listed.

CERCLA Reportable Quantity (RG): 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.

Hazard data contained herein was obtained from raw material suppliers. The i nformation 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 Poly Hi Solidur, Inc. bears legal responsibility. The user should review any recommendation in the specific context of the intended use to determine if they are appropriate.

