

MATERIAL SAFETY DATA SHEET

Technical Polymers
Ecomass Compound 4703ZD95

SECTION 1 - GENERAL			
Manufacturer's Name	Technical Polymers	Emergency Telephone No.	770-237-2311
Address	4917 Golden Parkway, Suite 300 Buford, GA 30518	Other Information Calls	770-237-2311
Signature of Person		Date	17-Dec-05
SECTION 2 - IDENTITY			
Common Name: (used on label)	<u>Ecomass Compound 4703ZD95</u>		
(Trade Name & Synonyms):		CAS No.	068259-27-8 7440-33-7
Chemical Name:	Plastic Compound (mixture)	Chemical Family:	Polyurethane
Formula:	Tungsten Powder Proprietary		Refractory Metal
SECTION 3 - HAZARDOUS INGREDIENTS			
Principal Hazardous Component (s) (Chemical and Common Name (s))	%	Threshold Limit Value (units)	
This mixture has not been evaluated as a whole. All ingredients are bound in a polymer matrix and potential for hazardous exposure as shipped is minimal. However, some fumes may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respirator program, etc.) to protect his employees from exposure. (See Section 8 - Special Precautions.) The following ingredients are considered hazardous per OSHA 1910.1200:			
Metallic Powder		Nuisance Dust	
If Chemical is not specifically identified, it is considered proprietary.			
SECTION 4 - PHYSICAL & CHEMICAL CHARACTERISTICS (FIRE & EXPLOSION DATA)			
Boiling Point	N/A	Specific Gravity	9 - 11
		Vapor Pressure (mm Hg)	N/A
Percent Volatile by Volume (%)	N/A	Vapor Density (Air = 1)	Solid
		Evaporation (_____ = 1)	Solid
Solubility in Water	Insoluble	Reactivity in Water	None Known
		Flash Point	Unknown
Flammable limits in air by Volume	LEL Lower	UEL Upper	N/A
	N/A	Extinguisher Media	All Common
Appearance and Odor:	grayish opaque pellet, slight odor		
Special Fire Fighting Procedures	Self-contained breathing apparatus should be worn to prevent inhalation of smoke and decomposition products in the event the material should burn.		

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SECTION 5 - PHYSICAL HAZARDS							
Stability	Unstable Stable	X	Conditions to Avoid	Temps >600F	Incompatibility (Materials to Avoid)	Strong oxidizing/reducing agents, PVC	
Hazardous Decomposition Products	Trace amounts are not harmful CO, CO2 (Combustion), NOx, N2, H2O, oxides of P and S						
Hazardous Polymerization	May Occur Will Not Occur	X	Conditions to Avoid	None			
SECTION 6 - HEALTH HAZARDS (SEE SECTION 3)							
Threshold Limit Value	None	Signs & Symptoms of Exposure	None	1. Acute Overexposure	None Known	2. Chronic Overexposure	None Known
Medical Conditions Generally Aggravated by Exposure	None Known						
Chemical Listed as Carcinogen National Technology or Potential Carcinogen Program	Yes No	X	I.A.R.C. Mono-graphs	Yes No	X	OSHA	Yes No X
OSHA Permissible Exposure Limit	N/A	ACGIH Threshold Limit Value	N/A		Other Exposure Limit Used	N/A	
Emergency and First Aid Procedures	1. Inhalation No known effects. If respiratory irritation occurs, move to fresh air and consult physician. 2. Eyes No known effects. If irritation occurs, consult physician. 3. Skin No known effects. If irritation occurs, consult physician. 4. Ingestion No known effects. If irritation occurs, consult physician.						
SECTION 7 - SPECIAL PROTECTION INFORMATION							
Respiratory Protection (Specify Type)	May be necessary if mechanical ventilation is insufficient.						
Ventilation	Yes	Local Exhaust	Yes	Mechanical General	Yes	Special and/or Other	
Protective Gloves	No	Eye Protection	No				
Other Protective Clothing or Equipment	No						

