

MATERIAL SAFETY DATA SHEET**Technical Polymers****Ecomass Compound 1050ZD96**

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	6-Jul-04		
SECTION 2 - IDENTITY							
Common Name: (used on label)		<u>Ecomass Compound 1050ZD96</u>					
(Trade Name & Synonyms):		CAS No.	77402-38-1 7440-33-7				
Chemical Name:	Plastic Compound (Mixture)		Chemical Family:	Polyamide			
Formula:	Proprietary		Refractory Metal				
SECTION 3 - HAZARDOUS INGREDIENTS							
Principal Hazardous Component (s) (Chemical and Common Name (s))		%	Threshold Limit Value (units)				
This material 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	N/A
Flammable limits in air by Volume	LEL	UEL	Extinguisher Media	Auto-Ignition Temperature			
	Lower	N/A	N/A	All Common		N/A	
Appearance and Odor:	Gray 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		Conditions		Incompatibility		None Known	
		Stable		to Avoid		(Materials to Avoid)			
		X		NA					
Hazardous Decomposition Products		Trace amounts oxides of C, N, P and S (combustion)							
Hazardous Polymerization		May Occur		Conditions					
		Will Not Occur		to Avoid		None			
		X							
SECTION 6 - HEALTH HAZARDS (SEE SECTION 3)									
Threshold Limit Value		None		Signs & Symptoms of Exposure		1. Acute Overexposure		None Known	
				None		None		2. Chronic Overexposure	
						None		None	
Medical Conditions Generally Aggravated by Exposure		None Known							
Chemical Listed as Carcinogen National Technology or Potential Carcinogen Program		Yes		I.A.R.C. Mono-graphs		Yes		OSHA	
		No		X		No		X	
		X				X		Yes	
		No						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	
								No	
Protective Gloves		No		Eye Protection		No			
Other Protective Clothing or Equipment		No							

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SECTION 8 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES	
Precautions to be Taken in Handling and Storage	Typical precautions for thermoplastic composite materials in pellet form.
Other Precautions	Upon heating some fumes may be released. ADEQUATE mechanical ventilation and/or a properly maintained respiratory protection program is required. DO NOT PUT IN MOUTH.
Steps to be Taken in Case Material is Released or Spilled	Scoop or shovel material and return to original container. See Section 9 for Applicable State and Federal regulations.
Waste Disposal Methods	Dispose of in accordance with all Local, State and Federal regulations.
SECTION 9 - REGULATORY INFORMATION	
The following ingredients of this mixture are reportable as listed under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372:	
	None
The user must determine whether a report is required to EPA for any amounts of this material disposed of or otherwise released to into the environment.	
NOTICE:	This notification must remain attached to its accompanying MSDS. If the MSDS is copied or redistributed, a copy of this notification must also be attached.

Information presented herein has been compiled from sources to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use, and since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of this material.