

MATERIAL SAFETY DATA SHEET

Technical Polymers

Ecomass Compound 1007ZC85

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	Dennis Eich			Date	3-Feb-06
SECTION 2 - IDENTITY					
Common Name: (used on label)	Ecomass Compound 1007ZC85			CAS No.	77402-38-1, 7440-02-0 7439-89-6, 7440-47-3
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	3 - 4	
Percent Volatile by Volume (%)	N/A		Vapor Density (Air = 1)	Solid	
Solubility in Water	Insoluble		Reactivity in Water	None Known	
Flammable limits in air by Volume	LEL	UEL	Extinguisher	Auto-Ignition Temperature	
	Lower	N/A	Upper N/A Media	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 Stable	X	Conditions to Avoid	NA	Incompatibility (Materials to Avoid)	None Known
Hazardous Decomposition Products	Trace amounts oxides of C, N, P and S (combustion)					
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
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	OSHA	Yes No
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. Consult physician if irritation occurs. Remove to fresh air. 2. Eyes No known effects. Consult physician if irritation occurs. 3. Skin No known effects. Physical form should preclude any harmful effect from contact. 4. Ingestion No known effects. Consult physician if irritation occurs.					
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					

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SECTION 8 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES	
Precautions to be Taken in Handling and Storage	
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:	
	Chromium, Nickle (as constituents of stainless steel)
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.

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