PolyFrang, LLC MSDS

# MATERIAL SAFETY DATA SHEET

#### **PolyFrang MIP Compound**

Manufacturer's						Emergency		
lame	PolyFrang, LLC					Telephone No.	(909) 946-8369	
		_						
Address	3013 Old Orchard	Lane				Other Information	(000) 046 0260	
	Parrish, FL 34219					Calls	(909) 946-8369	
Signature of Person	Richard Pumerant	7				Date	16-Feb-2010	
						Date	10-100-2010	
SECTION 2 - ID	ENTITY							
Common Name: (used on )	-	olyFrang M	<u>IIP</u>					
Trade Name & Synonym	s):					CAS No.	N/A	
Chamiaal Nama	Plastic Compound	(Mixtura)				Chamical Familia	Dolyamida	
Chemical Name:	Copper Powder	(Mixture)				Chemical Family:	Polyamide Metal Powder	
Formula:	Proprietary						Metal I Owder	
rormura.	Troprictary							
CECTION 2 II	A 7 A DDOLLG INIOP	TITITIA	'C					
SECTION 3 - HA	AZARDOUS INGR	EDIENT	<b>D</b>					
Principal Hazardous Com	ponent (s) (Chemical and C	Common Name	e (s)			%	Threshold Limit Val	ue (units)
exposure as shipped is	been evaluated as a who s minimal. However, so	me fumes m	nay be releas	sed upo	n heating and the	nd-user (fabricator	·) must	
exposure as shipped is take the necessary pre		me fumes mentilation, re	nay be releas espirator pro	sed upo gram, e	n heating and the etc.) to protect his e	nd-user (fabricator mployees from exp	nust oosure.	
exposure as shipped is take the necessary pre	s minimal. However, so ecautions (mechanical ve	me fumes mentilation, re	nay be releas espirator pro	sed upo gram, e	n heating and the etc.) to protect his e	nd-user (fabricator mployees from exp	nust oosure.	
exposure as shipped is take the necessary pre	s minimal. However, so ecautions (mechanical ve- ial Precautions.) The for Metallic Powder	ome fumes mentilation, re	nay be release espirator progredients are	sed upo gram, e conside	n heating and the etc.) to protect his e	nd-user (fabricator mployees from exp OSHA 1910.1200	r) must posure.	
exposure as shipped is take the necessary pre (See Section 8 - Speci	s minimal. However, so ecautions (mechanical ve- ial Precautions.) The for Metallic Powder	ome fumes mentilation, recollowing ing	nay be releasespirator pro gredients are not specifically	gram, e conside	n heating and the etc.) to protect his etcered hazardous per	nd-user (fabricator mployees from exp OSHA 1910.1200 oprietary.	nust posure. h: Nuisance dust	
exposure as shipped is take the necessary pre (See Section 8 - Speci	s minimal. However, so ecautions (mechanical ve- ial Precautions.) The fo Metallic Powder	ome fumes mentilation, recollowing ing	nay be releasespirator pro gredients are not specifically	gram, e conside	n heating and the etc.) to protect his etcered hazardous per	nd-user (fabricator mployees from exp OSHA 1910.1200 oprietary.	nust posure. h: Nuisance dust	
exposure as shipped is take the necessary pre (See Section 8 - Speci	s minimal. However, so ecautions (mechanical ve- ial Precautions.) The fo Metallic Powder	ome fumes mentilation, recollowing ing	nay be releasespirator progredients are not specifically	gram, e conside	n heating and the etc.) to protect his etcered hazardous per	nd-user (fabricator mployees from exp OSHA 1910.1200 oprietary.	nust posure.  Nuisance dust  N DATA)	N/A
exposure as shipped in take the necessary present (See Section 8 - Special SECTION 4 - PE	s minimal. However, so ecautions (mechanical verial Precautions.) The form Metallic Powder  INTERIOR STATE OF THE METALL & CHEMITE OF THE METALL & CHE	ome fumes mentilation, recollowing ing	nay be releasespirator progredients are not specifically CHARAC	gram, e conside	n heating and the etc.) to protect his ered hazardous pered, it is considered pro	nd-user (fabricator mployees from exp OSHA 1910.1200 oprietary.	nust posure.  Nuisance dust  N DATA)  Vapor	N/A
exposure as shipped in take the necessary present (See Section 8 - Special SECTION 4 - PER Boiling Point	s minimal. However, so cautions (mechanical verial Precautions.) The form Metallic Powder  INTERPORT AND ADMINISTRATION OF THE NAME OF T	ome fumes mentilation, repollowing ing	nay be releasespirator progredients are not specifically CHARAC Specific Gravity	sed upon gram, e conside y identifie	n heating and the etc.) to protect his ered hazardous pered, it is considered pro	nd-user (fabricator mployees from exp OSHA 1910.1200 oprietary.	N DATA)  Vapor Pressure (mm Hg)	
exposure as shipped in take the necessary present (See Section 8 - Special SECTION 4 - PER Boiling Point	s minimal. However, so ecautions (mechanical verial Precautions.) The form Metallic Powder  INTERIOR STATE OF THE METALL & CHEMITE OF THE METALL & CHE	ome fumes mentilation, repollowing ing	nay be releasespirator progredients are not specifically CHARAC Specific Gravity	sed upon gram, e conside y identifie	n heating and the etc.) to protect his ered hazardous pered, it is considered pro	nd-user (fabricator mployees from exp OSHA 1910.1200 oprietary.	N DATA)  Vapor Pressure (mm Hg)	N/A Solid
exposure as shipped is take the necessary pre (See Section 8 - Special SECTION 4 - PE Boiling Point Percent Volatile by Volume (%)	s minimal. However, so cautions (mechanical verial Precautions.) The form Metallic Powder  INTERPORT AND ADMINISTRATION OF THE NAME OF T	ome fumes mentilation, repulsion of the control of	nay be releasespirator progredients are not specifically CHARAC' Specific Gravity Vapor Density (Air =	sed upon gram, e conside y identifie	n heating and the etc.) to protect his ered hazardous pered, it is considered pro	nd-user (fabricator mployees from exp OSHA 1910.1200 oprietary.	N DATA)  Vapor Pressure (mm Hg)  Evaporation ( = 1)	
exposure as shipped is take the necessary present the second seco	s minimal. However, so exautions (mechanical verial Precautions.) The form Metallic Powder  INTERPORT	me fumes mentilation, repulsion of Chemical is a MICAL C	redients are redients	sed upon gram, e conside y identifie	n heating and the etc.) to protect his ered hazardous per ed, it is considered pro	nd-user (fabricator mployees from exp OSHA 1910.1200 oprietary.	N DATA)  Vapor Pressure (mm Hg)  Evaporation ( = 1)	Solid
exposure as shipped is take the necessary present the second seco	s minimal. However, so cautions (mechanical verial Precautions.) The form Metallic Powder  INTERPORT AND ADMINISTRATION OF THE NAME OF T	me fumes mentilation, repulsion of Chemical is a MICAL C	nay be releasespirator progredients are not specifically CHARAC' Specific Gravity Vapor Density (Air =	sed upon gram, e conside y identifie	n heating and the etc.) to protect his ered hazardous pered, it is considered pro	nd-user (fabricator mployees from exp OSHA 1910.1200 oprietary.	N DATA)  Vapor Pressure (mm Hg)  Evaporation ( = 1)	
exposure as shipped is take the necessary pre (See Section 8 - Special Section 8 - Special Section 8 - Present Volatile by Volume (%)  Solubility  n Water	s minimal. However, so exautions (mechanical verial Precautions.) The form Metallic Powder  HYSICAL & CHEN  N/A  N/A  Insoluble	me fumes mentilation, repulsion of Chemical is a MICAL C	case releases releases redients are redients red	sed upon gram, e conside y identifie	n heating and the etc.) to protect his ered hazardous per ed, it is considered prosections (FIRE etc.)  5 - 7  Solid  None Known	nd-user (fabricator mployees from exp OSHA 1910.1200 oprietary.	N DATA)  Vapor Pressure (mm Hg)  Evaporation ( = 1)  Flash Point	Solid
exposure as shipped is take the necessary pre (See Section 8 - Special SECTION 4 - PE Boiling Point  Percent Volatile by Volume (%) Solubility in Water	s minimal. However, so exautions (mechanical vertical Precautions.) The form Metallic Powder  INTERPORT IN	me fumes mentilation, repulsion of Chemical is a MICAL C	caspirator progredients are redients re	sed upor gram, e consider y identifier TERIS	n heating and the etc.) to protect his ered hazardous per ed, it is considered prosection of the second of the sec	nd-user (fabricator mployees from exployees from ex	N DATA)  Vapor Pressure (mm Hg)  Evaporation ( = 1)  Flash Point  Auto-Ignition	Solid N/A
exposure as shipped is take the necessary pre (See Section 8 - Special SECTION 4 - PH Boiling Point Percent Volatile by Volume (%) Solubility in Water Flammable limits in air by Volume	s minimal. However, so exautions (mechanical verial Precautions.) The form Metallic Powder  HYSICAL & CHEN  N/A  N/A  Insoluble	me fumes mentilation, repulsion of Chemical is a MICAL C	case releases releases redients are redients red	sed upor gram, e consider y identifier TERIS	n heating and the etc.) to protect his ered hazardous per ed, it is considered prosections (FIRE etc.)  5 - 7  Solid  None Known	nd-user (fabricator mployees from exp OSHA 1910.1200 oprietary.	N DATA)  Vapor Pressure (mm Hg)  Evaporation ( = 1)  Flash Point	Solid
exposure as shipped is take the necessary pre (See Section 8 - Special SECTION 4 - PE Boiling Point Percent Volatile by Volume (%) Solubility in Water Flammable limits in air by Volume Appearance	s minimal. However, so ecautions (mechanical verial Precautions.) The form Metallic Powder  INTERPORT	ome fumes mentilation, recording ing	caspirator progredients are redients re	sed upor gram, e consider y identifier TERIS	n heating and the etc.) to protect his ered hazardous per ed, it is considered prosection of the second of the sec	nd-user (fabricator mployees from exployees from ex	N DATA)  Vapor Pressure (mm Hg)  Evaporation ( = 1)  Flash Point  Auto-Ignition	Solid N/A
exposure as shipped is take the necessary pre (See Section 8 - Special SECTION 4 - PE Boiling Point Percent Volatile by Volume (%) Solubility in Water Flammable limits in air by Volume Appearance and Odor:	s minimal. However, so exautions (mechanical verial Precautions.) The form Metallic Powder  INTERPORT INTE	me fumes mentilation, report of the pollowing ing of the control o	cap be releasespirator progredients are redients red	sed upor gram, e consider y identifier TERIS	n heating and the etc.) to protect his ered hazardous per ed, it is considered prosection of the second of the sec	nd-user (fabricator mployees from exployees from ex	Nuisance dust  Nuisance dust  NDATA)  Vapor Pressure (mm Hg)  Evaporation ( = 1)  Flash Point  Auto-Ignition Temperature	Solid N/A N/A
exposure as shipped is take the necessary pre (See Section 8 - Speci	s minimal. However, so exautions (mechanical verial Precautions.) The form Metallic Powder  INTERPORT INTE	ome fumes mentilation, report of the pollowing ing of the control	capital properties and properties are properties ar	sed upor gram, e consider y identifier TERIS	n heating and the etc.) to protect his ered hazardous per ed, it is considered prosection of the second of the sec	nd-user (fabricator mployees from exployees from ex	N DATA)  Vapor Pressure (mm Hg)  Evaporation ( = 1)  Flash Point  Auto-Ignition	Solid N/A N/A

Ecomass Technologies MSDS

# MATERIAL SAFETY DATA SHEET

## **PolyFrang MIP Compound**

Stability	Ti-st-bl-		C 114		Incompatibility	None Known	
	Unstable Stable	X	Conditions to Avoid	NA	(Materials to Avoid)		
Hazardous	Trace amounts						
Decomposition Products	oxides of C, N,	P and S (combi	ustion)				
Hazardous	May Occur		Conditions				
Polymerization	Will Not Occur	X	to Avoid	None			
SECTION 6 - HE	ALTH HAZA	RDS (SEE S	ECTION 3)				
Threshold		Signs & Sympto	oms	1. Acute	None	2. Chronic	None
Limit Value	None	of Exposure	None	Overexposure	Known	Overexposure	Knowr
Medical Conditions							
Generally Aggravated							
by Exposure	None Known						
Chemical Listed as							
Carcinogen National		I	I.A.R.C.				
Technology or Potential	Yes	ľ	Mono- Yes		OSHA	Yes	
Carcinogen Program	No	X g	graphs No	X		No	X
OSHA Permissible		A	ACGIH Threshold		Other Exposure		
Exposure Limit	N/A	I	Limit Value	N/A	Limit Used	N/A	
Emergency and First							
Aid Procedures	1. Inhalation	No known ef	fects. If respiratory	irritation occurs	, move to fresh air a	and consult physicia	n.
	2. Eyes		fects. If irritation o			<u>, , , , , , , , , , , , , , , , , , , </u>	
	3. Skin		fects. If irritation o				
	4. Ingestion		fects. If irritation o		•		
SECTION 7 - SPE	CCIAL PROTE	ECTION INF	ORMATION				
Respiratory Protection							
(Specify Type)	May be	necessary if med	chanical ventilation	is insufficient.			
		Local		Mechanical		Special and/or	
Ventilation	Yes	Exhaust	Yes	General	Yes	Other	No
Protective		Eye					
Gloves	No	Protection	No				
Other Protective	Ma						
Clothing or Equipment	No						

Ecomass Technologies MSDS

## **MATERIAL SAFETY DATA SHEET**

#### **PolyFrang MIP Compound**

SECTION 8 - SI	PECIAL 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 - R	EGULATORY INFORMATION
The following ingred	ients of this mixture are reportable as listed under Section 313 of Title III of the Superfund Amendments
	Act of 1986 (SARA) and 40 CFR Part 372: Copper CERCLA RQ = 5000 lbs
no reporting of releas	er CERCLA (antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc), es of the solid form is required if the mean diameter of the pieces of the solid metal released is greater than 100 micrometers.  RQs shown on the consolidated list apply to smaller particles.
The user must determ environment.	nine whether a report is required to EPA for any amounts of this material disposed of or otherwise released to into the
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.