SAFETY DATA SHEET

Product Name:	ARMORCOAT - PART B	
Company:	POLYGEM INC. PO Box 609 West Chicago, Illinois 60185	
Telephone:	630-231-5600 630-231-5604 (Fax Line)	
Emergency Telephone Number:	1-800-535-5053 01-352-323-3444	USA International

Section 2 - HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to the Regulation (EC) No. 1272/2008

Acute Dermal Toxicity Category 4

Acute Oral Toxicity Category 4

Skin Sensitization Category 1

Skin Corrosion/Irritation Category 1B

Chronic Aquatic Toxicity Category 2

Classification according to the Regulation Directive 199/45/EC: [Xn] Harmful, [C] Corrosive, [N] Dangerous to the Environment Information Concerning particular hazards for human and environment:

Product Description: This product is grey heavy paste with a sweet amine odor

Health Hazards: Corrosive, Severe eye irritant; Respiratory Irritant, may cause skin sensitization.

Flamability Hazards: This product is flammable above it's fashpoint of 380F (195 C)

Reactivity Hazards: None known.

Environmental Hazards: The environmental effects of this product have not been investigated; however it is not expected to cause

significant adverse effects.

Emergency Considerations: Emergency responders must wear proper personal protective equipment (and have appropriate fire suppression equipment) suitable for the situation to which they are responding.

Classification system:

This classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2 Label elements

Labeling according to Regulation (EC) no. 1272/2008:

Hazard Pictograms:



Signal Word: Danger Hazard-determining component of labelling: Diethylenetriamine Hazard Statements: H302: Harmful is swallowed H313: May be harmful in contact with skin H317: May cause an allergic skin reaction H335: May cause respiratory irritation Precautionary Statements P260: Do not breathe dust/fume/gas/mist/vapours/spray.

Page 1 of 5

Section 2 - HAZARDS IDENTIFICATION (continued)

P264: Wash hands thoroughly after handling P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection.

Response Statements

P337+P313If eye irritation persists:Get medical advice/attention.

P370+P378-In case of fire:Use appropriate mediafor extinction

P302+P353: IF ON SKIN: Wash with plenty of soap and waterfor extinction

P391: Collect spillage

P403+P235: Store in well ventilated place. Keep cool.

P501: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Hazard Description

HMIS-ratings (scale 0 - 4)	
CHEMICAL NAME	
HEALTH	3
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	F

2.3 Other Hazards

None Known

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200). Unlisted ingredients are not "hazardous" per the OSHA standard.

Section 3: Hazards Identifications				
Chemical Name	CAS #	OSHA PEL*	ACGIH TLV*	WT%
Benzyl Alcohol	100-51-6	N/E	N/E	5-20%
Nonyl Phenol	25154-52-3	N/E	N/E	5-20%
Vestamin IPD	2855-13-2	N/E	N/E	5-20%
TOFA reaction products with TEPA	68953-36-6	N/E	N/E	5-20%
Tetraethylenepentamine	112-57-2	N/E	N/E	<5%
1,3-dimethylbenzene	26139-75-3	N/E	N/E	5
Aluminum Oxide	1344-28-1	N/E	N/E	50-60
Silicon Carbide	409-21-2	N/E	N/E	10
Silica, amorphous, fumed, crystallin	e free 112945-52-5	N/E	N/E	2

*ALL INGREDIENTS ARE REGISTERED ON TSCA.

*Unless otherwise noted, all PEL and TLV Values are reported as 8 hour time weighted averages (TWA)

*T/S - Trade Secret

Emergency Overview	N:	Mild or moderate eye i	rritation.	
		May cause skin irritation	on.	
		Harmful if swallowed.		
HMIS RATING:		HEALTH-3, FLAMMA	BILITY-1, REACTIVITY-0	
		See SECTION 8: EXP equipment recomment	OSURE CONTROLS/PERSONAL PROT dations.	ECTION for personal protective
Potential Health Effe	ects			
	Eye contact:	Mild or moderate irritation, possible minor temporary cornea injury.		
	Skin contact:	May cause skin irritation on prolonged or repeated exposure.		
	Skin absorption:	Not considered toxic.		
	Inhalation:	May cause nasal irritation, central nervous system depression or lung injury.		
	Chronic effects of o	ver exposure:	NONE	
		Page 2 of 5		www.polygem.com
		Section 4:	First Aid Measures	
EMERGENCY & FIRS	ST AID PROCEDURE	ES:		
	_			

Flush with plenty of water and get medical attention. Keep eye lids apart. Wash within 1 minute of contact for maximum results.

A 1			
Sk	kin:	Promptly wipe clean with paper or cloths and wash with soap and water. Remove contaminated	
		clothing before reuse. Attention should be paid to hair, nose and eyes.	
Ini	halation:	In case of exposure to high concentration of vapor or mist, remove person to fresh air.	
Ing	gestion:	If large amounts are swallowed, induce vomiting. Seek medical attention. May cause burns to	
		mouth and throat.	
	imary routes of	•	
Ca	arcinogenity:	This product does not contain 0.1% or more of any substance which is listed as a carcinogen	
		by NTP, IARC or OSHA.	
		Section 5: Fire Fighting Measures	
lash Point:		234 F	
est Method:		Setaflash Closed Cup	
ower Flammability Li		N/A	
pper Flammable Limi		N/A	
ecommended Exting	•	Water, Foam, Carbon Dioxide, Dry Chemicals or Fog.	
pecial Fire Fighting F	rocedures:	Firefighters should wear protective goggles and self contained breathing apparatus to avoid inhalation of smoke or vapors. Remove all ignition sources.	
nusual Fire or Explos	sion Hazards	initialation of smoke of vapors. Remove all ignition sources.	
-	onditions to avo	pid):	
(May produce hazardous fumes or hazardous decomposition products, such as carbon dioxide,	
		carbon monoxide, hydrogen sulfide, oxides of sulfur and nitrogen.	
		Section 6: Accidental Release Measures	
pecial Protection:		Exposure to the spilled material may be irritating or harmful. Follow personal protective	
		equipment recommendations found in Section 8 of this MSDS. Additional precautions may be	
		necessary based on special circumstances created by the spill including; the material spilled,	
		the quantity of the spill, the area in which the spill occurred.	
teps to be taken in ca	ase of material I	ls released or spilled:	
teps to be taken in ca	ase of material I	Is released or spilled: Ventilate the area. Absorb spill with suitable absorbent material and place into a closed	
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Transport Emergency andling: Storage: Cespiratory Protection Ventilation: land Protection: Sye Protection:	Phone Number: Section 8	Ventilate the area. Absorb spill with suitable absorbent material and place into a closed container. Prevent material from entering waterways. Wear protective equipment during cleanup. Use eye and skin protection. (INFOTRAC) 1-800-535-5053 Section 7: Handling and Storage Harmful or irritation material. Avoid contact and avoid breathing the material Use only in a well ventilated area. Store in a cool, dry place. (ION 8: Exposure Control/Personal Protection If vapor or mist is generated and the occupational exposure limit is exceeded, use appropriate NIOSH/MSHA approved self-contained breathing equipment or a full face respirator. Respirators should be selected by and used following requirements found in OSHA's respirator standards (29 CFR 1910134). Not required for properly ventilation area. Local exhaust and general ventilation is recommended. Nitrile Rubbers gloves. Page 3 of 5 Www.polygem.com	

	Section 0. Physical and Chamical Properties
Physical state:	Section 9: Physical and Chemical Properties Liquid
Color:	Off White
Odor:	Amine Odor
Weight by gallon:	12 lbs
Solids (% by weight)	100
V.O.C.	0 g/L
Boiling range:	335 F
	N/E
Melting point:	
Density:	1.04
Percent volatile:	N/D
Vapor density (air=1):	Not Volatile
Vapor pressure (mm Hg):	N/E
Evaporation rate:	N/A
Water miscibility:	<0.1%
	Section 10: Stability and Reactivity
Stability:	Stable
Incompatibility:	Strong oxiders, epoxy resin, and amine mixtures especially when hot.
Hazardous polymerization:	Will not occur.
Hazardous decomposition products:	
Conditions to avoid:	Heat and warm storage
	Section 11: Toxicological Information
<u>Chemical Name</u>	LD50/LC50
Madified Alighetic Delverging	Not optobliched
Modified Aliphatic Polyamine	Not established
	Section 12: Ecological Information
Overview:	No ecological information available.
	Section 13: Disposal Considerations
To the best of our knowledge, this produ	ict does not meet the definition of hazardous waste under U.S. EPA Hazardous
	sal via incineration at an approved facility is recommended. Consult state, local or
provincial authorities for more restrictive	
provincial admonties for more restrictive	Section 14: Transport Information
Consult Bill of Lading for transportation i	
Consult bill of Lading for transportation	niomation
	OSIVE LIQUID N.O.S.
	OSIVE LIQUID N.O.S.
IATA. CORR	
OSUA Hazard Communication Stand	Section 15: Regulatory Information
USITA HAZAIN COMMUNICATION STANDA	ard (29 CFR 1910.1200) Hazard Class(es): N/A
SARA Hazard Classification:	SARA Title III Regulations (40 CFR 370): N/A
SARA Hazaru Classification.	SARA The III Regulations (40 CFR 570). N/A
	Page 4 of 5 www.polygem.com
Se	ection 15: Regulatory Information (Continued)
	This material does not contain any substance which is subject to the reporting
5	requirements of 40 CFR 372.
DOT Proper Shipping Name:	Corrosive Liquid N.O.S. (Modified Aliphatic Polyamine)
UN Number:	UN1760
UN Number:	UN1760
UN Number:	UN1760 Section 16: Other Information

This information is furnished without warranty, representation inducement or license of any kind, except that is accurate to the best of Polygem Inc. knowledge, or obtained from sources believed by Polygem Inc. to be accurate and Polygem Inc. does not assure any legal responsibility for use reliance upon the same. Customers are encouraged to conduct

their own tests. Before using any product, please read its label.

Revision Date: 06/2015

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