<u>Material Safety Data Sheet</u> For chemicals, coatings, and related materials In compliance with OSHA 29 CFR 1910.1200

Date Prepared: 12-17-09

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	<u>Section I – Product</u>			
NAME: Polycast 250 – Part A	HMIS HAZARD CODES			
CLASS: Epoxy Resin	Health: 2	(Moderate)		
	Flammability: 1	(Slight)		
	Reactivity: 0	(Minimal)		
	Personal Protective Equipment: H			

Section II – Hazardous Ingredients						
Ingredient	Percent	C.A.S. Registry	LEL	Vapor Pressure		
Material Description	by Weight			mm Hg @ 20°C		
Modified Epoxy Resin	100%	**Trade Secret**	n/a	n/a		

Section III -	Physical	l Data	
	Freezin	g Point	n/

	Section III – Physical Data			
Boiling Range: n/a	Freezing Point: n/a			
Vapor Pressure: n/a mm@20°C	Vapor Density: heavier than air			
Specific Gravity: 1.12	$H_{2}0$ Solubility: Negligible ( < 0.1%)			
Evaporation Rate: Slower	% Volatile by Volume: n/a %			
(relative to n-butyl acetate)				
Appearance and Odor: Clear Liquid, Slight Odor.				

	Section IV - I	Fire and	Explosio	n Hazard Data	
Flash point: >200°F	Explosive Limi	ts:	LEL	UEL (%V in air)	
(Method used) Pensky	v-Martens		n/a	n/a	
Flammability Classific	cation				
OSHA: Comb	ustible Liquid – C	lass III E	3		
DOT: Not re	egulated				
Extinguishing Media:					
Foam, Carbon Dioxide (CO <sub>2</sub> ), Dry Chemical, Sand					
Special Fire Fighting Procedures:					
Wear protectiv	ve clothing.	Fight fi	re from a	safe distance.	
Close all valves to the area. Shut off all power to the area.					
Emergency lights must be turned on.					
Self-contained breathing apparatus is to be used.					
Unusual Fire and Exp	losion Hazards:	None			

Section V – Toxicological Information						
Ingredient	OSHA	ACGIH	LD50 (1	mg/kg)	LC50 (ppm)	
Material Ingredient	PEL	TLV (twa)	(rat)	(rbt)	(rat)	
		Mg/m3 ppm	oral	dermal	inhal	
Epoxy Resin	n/a	n/a	>9000	>10000	n/a	

#### Section VI – Health Hazard Data

Threshold Limit Values:

See Section V.

Contact irritating to eyes. Emergency and First Aid Procedures:

Effects of Overexposure:

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Move to fresh air. Apply artificial respiration, if necessary. Wash skin with soap and water or waterless hand cleaners.

Remove contaminated clothing.

Induce vomiting.

Drink large quantities of water immediately.

Flush Eyes with water for 15 minutes, and get medical attention.

If breathing is difficult, oxygen may be given.

### Section VIII - Reactivity Data

Stability: Stable

Stability Conditions to Avoid: High temperatures.

Incompatibility (Materials to Avoid Contact With): Amines, acids, water, hydroxyl, or active hydrogen compounds.

Hazardous Decomposition Products: Lead fume. Oxides of carbon and aldehydes.

Hazardous Polymerization: Will not occur.

Polymerization Conditions to Avoid: None.

### Section VIII - Spill or Leak Procedures

Steps For Material Spillage:

Absorb with sand and dispose of in an approved manner.

Dike area with sand to contain spilled liquid.

Prevent spillage from entering underground water systems.

Ventilate area. Flush area with water but do NOT flush into sewer.

Remaining material may be emulsified with soap and water and absorbed.

Scoop up contaminated soil and place in dry drums.

Large spills may be pumped into closed, but not sealed containers.

Waste disposal methods:

Dispose of in accordance with local regulations.

# Section IX – Special Protection Information

Respiratory protection:

NESA/NIOSH approved respirator is highly recommended.

\*\*Always work in areas with adequate ventilation to allow dissipation of vapors. Ventilation:

Provide adequate cross air circulation.

Protective Gloves:

Gloves resistant to chemical penetration

Eye Protection:

Splash-proof safety, Chemical Worker and Chemical Splash goggles.

Other Protective Equipment:

Eyewash Station, Emergency Shower, and use of barrier cream recommended. Chemical Apron, Rubber Foot Covering, Clean Long Sleeve and Leg Clothing.

## Section X – Special Precautions

Handling and Storage Precautions: Store in a cool dry place. Keep away from open flames. Store in tightly closed containers Store away from food and beverages. Wash thoroughly after handling. Wash before eating, drinking, smoking, or using toilet. Other Precautions: Check all containers for leaks. Avoid prolonged breathing or contact with skin.

Proprietary Ingredient - may be made available as provided in 29 CFR 1910.1200 (I).

This product contains substances subject to the reporting requirements of SARA Section 313 of Title III of the Superfund Amendments and reauthorization Act of 1986 and 40 CFR Part 372:

AUTHORIZED SIGNATURE: R.A Rana \_\_\_\_\_ Chemist