

Safety Data Sheet (Complies with OSHA HCS)

PANSEAL

	Section 1: Identification		
Trade Name: Contact Information: Emergency Contact: Recommended Use: Chemical Family:	PANSEAL (2000PC, 2000PG, 2000PB Packaging Variants) Dynesic Technologies, Inc., 15230 Surveyor Blvd., Addison, TX75001 Phone: 972-692-0962; Fax: 972-692-0963 Same As Above Chemcal resistant, corrosion preventing epoxy coating to be used in HVAC and Plumbing and other protective coating applications Novolac Epoxies		
	Section 2: Hazard(s) Identification		
Hazard Classification: Signal Word: Hazard Statement(s): Pictogram:	Skin Irritant-Category 2 Warning H317 Prolonged exposure may cause an allergic skin reaction		
Precautionary Statements:	P101: If medical advice is needed, have product container or label at hand P102: Keep out of reach of children P103: Read label before use P261: Avoid breathing dust/fume/gas/mist/vapors/spray P280: Wear Protective gloves/protective clothing/eye and face protection P333+P313: If skin irritation/rash occurs, get medical attention P501: Dispose of contents/container in accordance with local/regional/national and intl regulations		
NFPA Rating:	Health: 1 Flammability: 1 Instability: 0 Specific Hazard: N/A		
HIMS ® Rating:	Health: 1 Health: 1 Flammability: 1 Physical Hazard: 0 Personal Protection Index: C		

15230 Surveyor Blvd., Addison, TX75001; Tel: 972-692-0963; Fax: 214-242-4500; www.dynesic.com



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Section 3: Composition/Information on Ingredients

Chemical Name/Family:	Ероху
Common Names/Synonyms:	Epoxy Resin, Epoxy Coating, Novolac Epoxy, Two-part Epoxy
CAS Numbers and other Ident	ifiers:
Resin:	DGEBA – Epoxy Resin CAS# 25068-38-6 30%-40%
	OSHA/PEL – NE
	ACGIH/TLV - NE
	DGEBF – Epoxy Resin CAS#28064-14-4 10%-20%
	TALC – CAS#14807-96-6 5%-10%
	OSHA/PEL – 2mg /m ³
	ACGIH/TLV – 2mg/m ³
	Titanium Dioxide – CAS# 13463-67-7 1%-5%
	OSHA/PEL – 5mg/mg ³
	ACGIH/TLV – 10mg/mg ³
	Mica – CAS# 12001-26-2 2%-5%
	OSHA/PEL – 20Mppcf
	$ACGIH/TLV - 3mg/m^3$
	Ceramic Microspheres CAS# 68402-68-4 20%-40%
	OSHA/PEL – 15mg/m ³
	ACGIH/TLV – 10mg/m ³
Hardener:	Modified Polyamidoamine CAS# mixture 20%-30%
	OSHA/PEL NE
	ACGIH/TLV NE
	Polyamide CAS# mixture 60%-80%
	OSHA/PEL NE
	ACGIH/TLV NE
Trade Secret Claim:	Please note that the exact concentration of each chemical contained in the
	product has been withheld as the exact formula needs to remain a trade secret.

Section 4: First Aid Measures

Description of first-aid meas	ures for specific exposure:
For Ingestion:	Resin - If large amounts are ingested, induce vomiting if conscious.
	Hardener - Call physician immediately. Give generous amounts of water if conscious. Do not induce vomiting.
For Skin Exposure:	Resin - Promptly wash with mild soap and water.
	Hardener - Promptly wash with mild soap and water.
For Inhalation:	Resin - Remove to fresh air. Give oxygen if breathing is difficult.
	Hardener - Remove to fresh air. Give oxygen if breathing is difficult.
For Eye Exposure:	Resin - Immediately flush eyes with water for 15 minutes. Call physician.
	Hardener - Immediately flush eyes with water for 15 minutes. Call physician.
Description of overexposure	symptoms and effects:
	Overexposure to this material can cause chemical burns to the skin and
	eyes and inhalation of vapors can cause severe respiratory irritation. Can cause allergic skin and
	respiratory reactions. Can have effects on the nervous system evidenced by central nervous
	system depression, tremors, paralysis, diarrhea and vasodilation. May also cause headache,
	nausea and dizziness.
Medical Conditions Aggrava	ted by Exposure:
	Allergy, eczema or skin conditions.
Additional Information:	Promptly remove wet contaminated non-imperious clothing, wash before reuse.
	Destroy contaminated leather and absorbent shoes.



		Section 5: Fire-Fighting Measu	res
	Resin	Hardener	
Flash Point:	>300°F (149°C)	>200°F (93°C)	
Flash Point Method Used:	Closed cup		
Fire Fighting Extinguishing Media:	Carbon Dioxide, foarr	n, dry chemical	
Fire Fighting Equipment:	Use a self-contained breathing apparatus		
Fire and Explosion Hazards:	Decomposition and c	ombustion products may be toxic.	

Section 6: Accidental Release Measures

sin rdener	Shovel into closeable container for disposal. Absorb into sand or other absorbent material. Shovel into closeable container and dispose of in professional manner.

Section 7: HandIng and Storage

Handling precautions:	Do not get in eyes, on skin, on clothing. Do not breathe vapor, mist or spray. Use only with adequate ventilation. Individuals should wash thoroughly after handling. For industrial use only.
Storage Information:	Keep away from heat, sparks and open flame. Ground and bond metal containers
	for liquid transfer to avoid static sparks. Store at temperatures between 2°C and 40°C in tightly closed
	containers in dry area to prevent moisture and carbon dioxide contamination.

Section 8: Exposure Controls/Personal Protection

OSHA PELs:	N/A
ACGIH TLVs:	N/A
Personal Protective Equipment:	Wear protective equipment to prevent exposure and personal contact
Skin Protection:	Impervious gloves
Respiratory Protection:	Organic chemical cartridge respirator if needed in non-vented area
Eye Protection:	Splash-proof chemical goggles
1 · ·	Splash-proof chemical goggles Good general mechanical ventilation and local exhaust

Section 9: Physical and Chemical Properties

	Resin	Hardener
Appearance:	Grey	Reddish Brown
Odor:	None	Slight sweet odor
Physical State:	Liquid	Liquid
Solubility in Water (% by weight):	Negligible	Negligible
Melting Point:	<0° F (-18° C)	<0° F (-18° C)
Density:	1.41	0.97
pH:	ca 5	ca 10



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Section 10: Stability and Reactivity

Reactivity:	Non Reactiv	<i>i</i> e
Stability:	Stable	
Incompatible Materials:	Strong acids	s, oxidizers and bases
Hazardous Decomposition Pr	oducts:	
	Resin:	Carbon Monoxide, Carbon Dioxide, Phenolics
	Hardener:	Carbon Monoxide, Carbon Dioxide, Phenolic Nitrogen Oxides and Compounds
Hazardous Polymerization:		
	Resin:	Will not occur
	Hardener:	Do not heat in bulk as dangerous decomposition may occur, liberating toxic fumes.

Section 11: Toxicological Information

<u>Resin</u> - LD ₅₀ (rabbits): 4000 mg/kg
Hardener - LD ₅₀ (rabbits): 3000 mg/kg
Can cause skin and respiratory sensitization
Irritant
Irritant

Section 12: Ecological Information

Additional Information:	Amines, in general, may be toxic to aquatic organisms. Epoxies are only slightly soluble in water.
Aquatic Toxicity:	No further relevant information available
Persistence and Degradability:	No further relevant information available
Biocumulative Potential:	No further relevant information available
Mobility in Soil:	No further relevant information available

Section 13: Disposal Considerations

Waste Disposal Method:	Dispose in accordance with international, federal (US), state (US) and local regulations
Recommendations:	Must not be disposed of together with household garbage.
	Do not allow product to reach sewage system.

Section 14: Transport Information

DOT, ADR, AND IMDG, IATA: Hazard Class under:	Non-hazardous for transport
DOT, ADR, AND IMDG, IATA:	Non-hazardous for transport
Marine Pollutant:	No
Notes:	Not Regulated under DOT, ADR, AND, IMDG, IATA
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Section 15: Regulatory Information

Occupational Safety and Health Act (OSHA): This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200(g). This product is considered to be a hazardous chemical under that standard.



Toxic Substances Control Act (TSCA): All ingredients are on the TSCA inventory and are exempt as per 40CFR723.50 Low Volume Exemption(LVE) and Low Environmental Release and Low Human Exposure Exemption (LOREX).

SARA Title III: Section 304 - CERCLA: Not listed.

SARA Title III: Section 313 Toxic Chemical List (TCL): This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Sec. 313 (40 CFR 372). This information must be included in all MSDS's that are copied and distributed for this material.

Section 16: Other Information

This SDS was prepared in accordance with the new OSHA HCS requirements that will go into effect for manufacturers of chemicals on June 2015. This SDS replaces all preceding versions of MSDS and complies with all current regulations. Revision: April 2015 - All rights reserved.

