

Effective Date July 2012

## 1. IDENTIFICATION

**Product identifier** 2500 Series Part A Coating and Lining (All Colors)  
**Other means of identification** PANSEAL Paste Grade, 2500PG  
**Recommended use** Not available  
**Recommended restrictions** None known  
**Manufacturer/Importer/Supplier/Distributor information**  
**Company Name:** Dynesic Technologies, Inc.  
Phone: 972-692-0962  
**After hours telephone number** Phone: 972-692-0962  
**Website** www.dynesic.com  
**Email** sphillips@dynesic.com  
**Emergency 24 hour telephone** CHEMTREC: North America 1-800-424-9300  
International 1-800-527-3887  
**Operation hours information** 7:00 a.m. to 7:00 p.m.

## 2. HAZARD(S) IDENTIFICATION

**Physical hazards** Not classified  
**Health hazards** Skin corrosion/irritation Category 2  
Eye damage/eye irritation Category 1B  
**Hazard Statement(s):** H317 Prolonged exposure may cause an allergic skin reaction.  
**Hazard statement** Causes eye irritation. Causes skin irritation.  
**Prevention** Wear protective gloves. Wear eye/face protection. Wash thoroughly after handling

**Environmental hazards** Not classified  
**OSHA defined hazards** Not classified  
**Signal Word:** Warning  
**Label elements**



## Response

Specific treatment see Section 4 of this SDS. Wash contaminated clothing before reuse. IF exposed or concerned: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## Storage

Store in accordance with local/regional/national regulations.

## Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

## Hazard(s) not otherwise classified (HNOC)

None known

## Supplemental information

Not applicable

## 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  
Flammability: 1  
Instability: 0  
Personal Protection Index: C

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
BISPHENOL A-(EPICHLORHYDRIN) EPOXY RESIN	25068-38-6	35 - 65
2,3-EPOXYPROPYL NEODECANOATE	2671-45-5	2 - 12
PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER	28064-14-4	1 - 6
CARBON BLACK	1333-86-4	0 - 1
* Other components below reportable levels		50.5

### 4. FIRST AID MEASURES

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.  
**Skin contact** Wash off with soap and water. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.  
**Eye contact** Rinse with water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.  
**Ingestion** Rinse mouth. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Call a POISON CENTER or doctor/physician if you feel unwell.

#### General Information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### Most important symptoms/effects, acute and delayed

Direct contact with eyes may cause temporary irritation.

#### Indication of immediate medical attention and special treatment needed

Treat symptomatically.

### 5. FIRE-FIGHTING MEATHODS

#### Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

#### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

#### Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

#### Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

#### Fire-fighting equipment/instructions

Move containers from fire area if you can do so without risk.

#### Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

#### Methods and materials for containment and cleaning up

This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

**Large Spills:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

**Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

#### Environmental precautions

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

## 7. HANDLING and STORAGE

### Precautions for safe handling

Avoid prolonged exposure. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<u>Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
CARBON BLACK (CAS 1333-86-4)	PEL	3.5 mg/m <sup>3</sup>	
<b>US. ACGIH Threshold Limit Values</b>			
CARBON BLACK (CAS 1333-86-4)	TWA	3.5 mg/m <sup>3</sup>	Inhalable fraction
<b>US. NIOSH: Pocket Guide to Chemical Hazards</b>			
CARBON BLACK (CAS 1333-86-4)	TWA	0.1 mg/m <sup>3</sup>	

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible).

#### Hand protection

Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.

#### Other

Wear suitable protective clothing.

#### Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

#### General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. PHYSICAL and CHEMICAL PROPERTIES

<b>Appearance</b>	Not available
<b>Physical state</b>	Liquid
<b>Form</b>	Liquid
<b>Color</b>	Not available
<b>Odor</b>	Not available
<b>Odor threshold</b>	Not available
<b>pH</b>	Not available
<b>Melting point/freezing point</b>	Not available
<b>Initial boiling point and boiling range</b>	212 °F (100 °C) estimated
<b>Flash point</b>	482.0 °F (250.0 °C) estimated
<b>Evaporation rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available
<b>Flammability limit upper (%)</b>	Not available
<b>Explosive limit - lower (%)</b>	Not available
<b>Explosive limit - upper (%)</b>	Not available
<b>Vapor pressure</b>	0.01 hPa estimated
<b>Vapor density</b>	Not available
<b>Relative density</b>	Not available

<b>Solubility(ies) Solubility (water)</b>	Not available
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Other information Flammability class</b>	Combustible IIIB estimated
<b>Solubility(ies) Solubility (water)</b>	Not available
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Other information Flammability class</b>	Combustible IIIB estimated

## 10. STABILITY and REACTIVITY

### Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

### Chemical stability

Material is stable under normal conditions.

### Possibility of hazardous reactions

Hazardous polymerization does not occur.

### Conditions to avoid

Avoid temperatures exceeding the flash point. Contact with incompatible materials.

### Incompatible materials

Strong oxidizing agents.

### Hazardous decomposition products

No hazardous decomposition products are known.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Ingestion** Expected to be a low ingestion hazard.

**Inhalation** Prolonged inhalation may be harmful.

**Skin contact** Causes skin irritation.

**Eye contact** Causes eye irritation.

### Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

**Acute toxicity** Not available

### Skin corrosion/irritation

Prolonged skin contact may cause temporary irritation. cause temporary irritation.

### Serious eye damage/eye irritation

Direct contact with eyes may cause temporary irritation.

### Respiratory or skin sensitization

**Respiratory sensitization** Not available

**Skin sensitization** This product is not expected to cause skin sensitization.

### Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

### Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. This product contains crystalline silica. Silica is a known carcinogen; however in this encapsulated form the normal routes of exposure are unavailable.

### IARC Monographs. Overall Evaluation of Carcinogenicity

CARBON BLACK (CAS 1333-86-4) 2B Possibly carcinogenic to humans.

### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed

### Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure**

Not classified

**Specific target organ toxicity - repeated exposure**

Not classified

**Aspiration hazard**

Not available

**Chronic effects**

Prolonged inhalation may be harmful.

## 12. ECOLOGICAL

**Toxicity** The product contains a substance which is toxic to aquatic organisms.

<b>Product</b>	<b>Species</b>	<b>Test Results</b>
2500 Series Part A Coating and Lining (All Colors) (CAS Mixture)		
Crustacea	EC50 Daphnia	6.6372 mg/l, 48 hours estimated
Fish	LC50 Fish	3.6873 mg/l, 96 hours estimated

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
BISPHENOL A-(EPICHLORHYDRIN) EPOXY RESIN (CAS 25068-38-6)		
Crustacea	EC50 Daphnia magna	2.7 mg/l, 48 hours
Fish	LC50 Salmo gairdneri (new name Oncorhynchus mykiss)	1.5 mg/l, 96 hours

PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER (CAS 28064-14-4)

*Acute*

Fish	LC50 Fish	1 - 10 mg/l
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\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available

**Mobility in soil** No data available

**Other adverse effects**

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. DISPOSAL CONSIDERATIONS

**Disposal instructions**

When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261.

**Local disposal regulations**

Dispose in accordance with all applicable regulations.

**Hazardous waste code**

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. PHYSICAL and CHEMICAL PROPERTIES

**DOT** Not regulated as dangerous goods.

**IATA** Not regulated as dangerous goods.

**IMDG** Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

**Class** 55

## 15. REGULATORY INFORMATION

### US federal regulations

All components are on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)** Not regulated

**CERCLA Hazardous Substance List (40 CFR 302.4)** Not listed

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)** Not listed

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories**

- Immediate Hazard - Yes
- Delayed Hazard - No
- Fire Hazard - No
- Pressure Hazard - No
- Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** Not listed

**SARA 311/312 Hazardous chemical** Yes

**SARA 313 (TRI reporting)** Not regulated

### Other federal regulations

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List** Not regulated

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)** Not regulated

**Safe Drinking Water Act (SDWA)** Not regulated

### US state regulations

**US. Massachusetts RTK - Substance List** CARBON BLACK (CAS 1333-86-4)

**US. New Jersey Worker and Community Right-to-Know Act** Not regulated

### US. Pennsylvania RTK - Hazardous Substances

CARBON BLACK (CAS 1333-86-4) US.

**Rhode Island RTK** Not regulated

### US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

CARBON BLACK (CAS 1333-86-4) Listed: February 21, 2003

### International Inventories

Country(s) or region/Inventory name	On inventory (yes/no)*
Australia Australian Inventory of Chemical Substances (AICS)	Yes
Canada Domestic Substances List (DSL)	Yes
Canada Non-Domestic Substances List (NDSL)	No
China Inventory of Existing Chemical Substances in China (IECSC)	No
Europe European Inventory of Existing Commercial Chemical Substances	Yes
Europe European List of Notified Chemical Substances (ELINCS)	No
Japan Inventory of Existing and New Chemical Substances (ENCS)	No
Korea Existing Chemicals List (ECL)	No
New Zealand New Zealand Inventory	No
Philippines Philippine Inventory of Chemicals and Chemical Substances	No
United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**Other information, including date of preparation or last revision****Issue date** 02/27/2023**Version #** 02

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