

# DURAPATCH

Part A  
Resin

**SDS** Revised March 2018  
Complies with OSHA HCS Standards  
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## Safety Data Sheet (Complies with OSHA HCS)

### Section 1: Identification

**Product identifier** 3000D Series Part A Coating and Lining (All Colors)  
**Other means of identification** DURAPATCH, 3000D  
**Recommended use** Not available  
**Recommended restrictions** None known  
**Manufacturer/Importer/Supplier/Distributor information**  
**Company Name:** Dynesic Technologies, Inc.  
15230 Surveyor Blvd., Addison, TX 75001  
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.

### Section 2: Hazard(s) Identification

**Physical hazards** Not classified  
**Health hazards** Skin corrosion/irritation Category 2  
Eye damage/eye irritation Category 2  
Sensitization skin Category 1  
Carcinogenicity Category 1B  
**Environmental hazards** Not classified  
**OSHA defined hazards** Not classified  
**Label elements**



**Signal word** Danger  
**Hazard statement** Causes skin irritation. Causes eye irritation. May cause an allergic skin reaction. May cause cancer.  
**Prevention** Wash thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.  
**Response** IF ON SKIN: Wash with plenty of soap and water. Specific treatment see Section 4 of this SDS. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF exposed or concerned: Get medical advice/attention. Take off contaminated clothing and wash before reuse.  
**Storage** Store locked up.

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

**Hazard(s) not otherwise classified (HNOC)**  
**Supplemental information**

None known  
Not applicable

## Section 3: Composition/Information on Ingredients

### Mixtures

<b>Chemical name</b>	<b>CAS number</b>	<b>%</b>
BISPHENOL A-(EPICHLORHYDRIN) EPOXY RESIN	25068-38-6	30 - 40
CASHEW, NUTSHELL LIQ., GLYCIDYL ETHERS	171263-25-5	1 - 10
QUARTZ	14808-60-7	1 - 10
EPICHLOROHYDRIN	106-89-8	<0.2
* Other components below reportable levels		54.98

## Section 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.

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

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

Treat symptomatically.

### General information

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

## Section 5: Fire-Fighting Measures

### Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

### 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.

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

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

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## 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.

## Section 7: Section 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).

## Section 8: Exposure Controls/Personal Protection

### Occupational exposure limits

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

<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
EPICHLOROHYDRIN (CAS 106-89-8)	PEL	19 mg/m <sup>3</sup>	

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
QUARTZ (CAS 14808-60-7)	TWA	0.3 mg/m <sup>3</sup>	Total dust
		0.1 mg/m <sup>3</sup>	Respirable
		2.4 mppcf	Respirable

#### US. ACGIH Threshold Limit Values

<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
EPICHLOROHYDRIN (CAS 106-89-8)	TWA	0.5 ppm	
QUARTZ (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable

#### US. NIOSH: Pocket Guide to Chemical Hazards

<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
QUARTZ (CAS 14808-60-7)	TWA	0.05 mg/m <sup>3</sup>	Respirable

**Biological limit values** No biological exposure limits noted for the ingredient(s).

### Exposure guidelines

#### US - California OELs: Skin designation

EPICHLOROHYDRIN (CAS 106-89-8) Can be absorbed through skin.

#### US - Minnesota Haz Subs: Skin designation applies

EPICHLOROHYDRIN (CAS 106-89-8) Skin designation applies.

#### US - Tennessee OELs: Skin designation

EPICHLOROHYDRIN (CAS 106-89-8) Can be absorbed through the skin.

#### US ACGIH Threshold Limit Values: Skin designation

EPICHLOROHYDRIN (CAS 106-89-8) Can be absorbed through the skin.

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

EPICHLOROHYDRIN (CAS 106-89-8) Can be absorbed through the skin.

### 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.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Viscous liquid
<b>Physical state</b>	Liquid
<b>Form</b>	Liquid
<b>Color</b>	Beige
<b>Odor</b>	Benign
<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>	> 500.0 °F (> 260.0 °C) Tag Closed Cup
<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>	Not available
<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

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## Other information

<b>Density</b>	14.24 lb/gal estimated
<b>Percent volatile</b>	0.05 % estimated
<b>Specific gravity</b>	1.71

## Section 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.

## Section 11: Toxicological Information

### Information on likely routes of exposure

**Ingestion** May cause discomfort if swallowed.

**Inhalation** No adverse effects due to inhalation are expected.

**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

<u>Components</u>	<u>Species</u>	<u>Test Results</u>
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EPICHLOROHYDRIN (CAS 106-89-8)

#### Acute

##### Dermal

LD50	Rabbit	300 mg/kg
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##### Inhalation

LC50	Rat	500 ppm, 4 Hours
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##### Oral

LD50	Rat	40 mg/kg
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\* Estimates for product may be based on additional component data not shown.

### Skin corrosion/irritation

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

### Serious eye damage/eye irritation

Causes eye irritation.

### Respiratory or skin sensitization

**Respiratory sensitization** Not available

**Skin sensitization** Causes skin irritation. May cause an allergic skin reaction.

### Germ cell mutagenicity

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

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### Carcinogenicity

May cause cancer.

### IARC Monographs. Overall Evaluation of Carcinogenicity

EPICHLOROHYDRIN (CAS 106-89-8) 2A Probable carcinogenic to humans.

QUARTZ (CAS 14808-60-7) 1 Carcinogenic to humans.

### US. National Toxicology Program (NTP) Report on Carcinogens

EPICHLOROHYDRIN (CAS 106-89-8) Reasonably Anticipated to be a Human Carcinogen.

QUARTZ (CAS 14808-60-7) Known To Be Human Carcinogen.

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

Not regulated

### 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.

## Section 12: Ecological Information

### Ecotoxicity

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

#### Product

#### Species

#### Test Results

3000D Series Part A Coating and Lining (All Colors) (CAS Mixture)

#### **Aquatic**

Crustacea EC50 Daphnia 1.067 mg/l, 48 hours estimated.

Fish LC50 Fish 4.4766 mg/l, 96 hours estimated.

#### Components

#### Species

#### Test Results

EPICHLOROHYDRIN (CAS 106-89-8)

#### **Aquatic**

Fish LC50 Fathead minnow (Pimephales promelas)  
9.1 - 12.3 mg/l, 96 hours

\* 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.

## Section 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.



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## 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.

## Section 14: Transportation Information

**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**  
Not available

## Section 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)**

EPICHLOROHYDRIN (CAS 106-89-8) Listed

**US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity**

EPICHLOROHYDRIN (CAS 106-89-8) 100 LBS

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

Not regulated

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

**Hazard categories** Immediate Hazard - Yes

Delayed Hazard - Yes

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

EPICHLOROHYDRIN (CAS 106-89-8)

**Reportable quantity** 100 pounds

**Threshold planning quantity** 1000 pounds

**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**

EPICHLOROHYDRIN (CAS 106-89-8)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

EPICHLOROHYDRIN (CAS 106-89-8)

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

**US state regulations**

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

EPICHLOROHYDRIN (CAS 106-89-8) Listed: October 1, 1987

QUARTZ (CAS 14808-60-7) Listed: October 1, 1988

### US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

EPICHLOROHYDRIN (CAS 106-89-8) Listed: September 1, 1996

### US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

EPICHLOROHYDRIN (CAS 106-89-8)

QUARTZ (CAS 14808-60-7)

### 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).

## Section 16: Other information

### Other information, including date of preparation or last revision

**Issue date** 04/06/2015

**Revision date** 11/02/2017

**Version #** 02

**NFPA ratings** Health: 2  
Flammability: 0  
Instability: 0

**Disclaimer** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



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