

## Safety Data Sheet (Complies with OSHA HCS)

### Section 1: Identification

<b>Product identifier</b>	3000D Series Part B Coating and Lining (All Colors)
<b>Other means of identification</b>	DURAPATCH, 3000D
<b>Recommended use</b>	Not available
<b>Recommended restrictions</b>	None known
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Company Name:</b>	Dynesic Technologies, Inc. 15230 Surveyor Blvd., Addison, TX 75001 Phone: 972-692-0962
<b>After hours telephone number</b>	Phone: 972-692-0962
<b>Website</b>	www.dynesic.com
<b>Email</b>	sphillips@dynesic.com
<b>Emergency 24 hour telephone</b>	CHEMTREC: North America 1-800-424-9300 International 1-800-527-3887
<b>Operation hours information</b>	7:00 a.m. to 7:00 p.m.

### Section 2: Hazard(s) Identification

<b>Physical hazards</b>	Not classified
<b>Health hazards</b>	Skin corrosion/irritation Category 1 Eye damage/eye irritation Category 1 Sensitization skin Category 1 Germ cell mutagenicity Category 2 Specific target organ toxicity, repeated exposure Category 2
<b>Environmental hazards</b>	Not classified
<b>OSHA defined hazards</b>	Not classified
<b>Label elements</b>	



<b>Signal word</b>	Danger
<b>Hazard statement</b>	Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. Suspected of causing genetic defects. May cause damage to organs through prolonged or repeated exposure.
<b>Prevention</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Specific treatment see Section 4 of this SDS. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for

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several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. contaminated clothing before reuse. IF exposed or concerned: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

**Storage**  
**Disposal**

Store locked up.

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

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

None known  
None

## Section 3: Composition/Information on Ingredients

**Mixtures**

<b>Chemical name</b>	<b>CAS number</b>	<b>%</b>
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	25068-38-6	1 - 10
3-AMINOPROPYLTRIETHOXYSILANE	919-30-2	1 - 10
PHENOL	108-95-2	1 - 10
QUARTZ	14808-60-7	1 - 10
TRIENTINE	112-24-3	1 - 10

## Section 4: First Aid Measures

**Inhalation**

Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Call a physician or poison control center immediately.

**Skin contact**

Immediately flush skin with plenty of water. Remove contaminated clothing. Get medical attention immediately. Wash clothing separately before reuse.

**Eye contact**

Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**Ingestion**

Rinse mouth. Do not induce vomiting. Get medical attention.

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

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

Treat symptomatically.

**General information**

Take off contaminated clothing and shoes immediately. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

## Section 5: Fire-Fighting Measures

**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.

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## 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 people away from and upwind of spill/leak. Keep out of low areas. Ventilate closed spaces before entering them. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

### Methods and materials for containment and cleaning up

Extinguish all flames in the vicinity.

**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. Prevent further leakage or spillage if safe to do so. Do not contaminate water.

## Section 7: Section 7: Handling And Storage

### Precautions for safe handling

Wear appropriate personal protective equipment. Avoid eating, drinking and smoking when using the product. Wash hands after handling. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Do not store this material in open or unlabeled containers. Store in a cool, dry place out of direct sunlight. Keep container in a well-ventilated place.

## Section 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>
PHENOL (CAS 108-95-2)	PEL	19 mg/m <sup>3</sup>

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

<u>Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
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

<u>Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
PHENOL (CAS 108-95-2)	TWA	5 ppm	
QUARTZ (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable

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## US. NIOSH: Pocket Guide to Chemical Hazards

<u>Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
PHENOL (Case 108-95-2)	Ceiling	60 mg/m <sup>3</sup> 15.6 ppm	
QUARTZ (CAS 14808-60-7)	TWA TWA	19 mg/m <sup>3</sup> 0.05 mg/m <sup>3</sup>	Respirable

## US. AIHA Workplace Environmental Exposure Level (WEEL) Guides

<u>Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
TRIENTINE (Case 112-24-3)	TWA	6 mg/m <sup>3</sup> 1 ppm	

### Biological limit values

### ACGIH Biological Exposure Indices

<u>Components</u>	<u>Value</u>	<u>Determinant</u>
PHENOL (Case 108-95-2)	250 mg/g	Phenol with hydrolysis

**Specimen** Creatine in urine

### Exposure guidelines

No exposure standards allocated.

### US - California OELs: Skin designation

PHENOL (Case 108-95-2) Can be absorbed through skin.

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

PHENOL (Case 108-95-2) Skin designation applies.

### US - Tennessee OELs: Skin designation

PHENOL (Case 108-95-2) Can be absorbed through skin.

### US ACGIH Threshold Limit Values: Skin designation

PHENOL (Case 108-95-2) Can be absorbed through skin.

### US NIOSH Pocket Guide to Chemical Hazards: Skin designation

PHENOL (Case 108-95-2) Can be absorbed through skin.

### US WEEL Guides: Skin designation

TRIENTINE (Case 112-24-3) Can be absorbed through skin.

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

PHENOL (Case 108-95-2) Can be absorbed through skin.

### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

### 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 ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

#### General hygiene considerations

When using do not smoke. Do not get in eyes. Do not get this material in contact with skin. When using, do not eat, drink or smoke. Avoid contact with eyes. Avoid contact with skin. Wash hands before breaks and immediately after handling the product. Wash hands after handling and before eating. Keep away from food and drink. Contaminated work clothing should not be allowed out of the workplace. Handle in accordance with good industrial hygiene and safety practice.

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## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Liquid
<b>Physical state</b>	Liquid
<b>Form</b>	Liquid
<b>Color</b>	Light yellow
<b>Odor</b>	Sulphurous
<b>Odor threshold</b>	Not available
<b>pH</b>	Basic
<b>Melting point/freezing point</b>	53.6 °F (12 °C) estimated
<b>Initial boiling point and boiling range</b>	359.15 °F (181.75 °C) estimated
<b>Flash point</b>	> 200.0 °F (> 93.3 °C)
<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>	3 % estimated
<b>Flammability limit upper (%)</b>	10 % estimated
<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>	640 °F (337.78 °C) estimated
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Other information</b>	
<b>Density</b>	12.66 lb/gal
<b>Percent volatile</b>	0.02 % estimated
<b>Specific gravity</b>	1.52 estimated

## Section 10: Stability and Reactivity

<b>Reactivity</b>	Not Reactive
<b>Chemical stability</b>	Stable under normal temperature conditions.
<b>Possibility of hazardous reactions</b>	Not available
<b>Conditions to avoid</b>	Heat, flames and sparks
<b>Incompatible materials</b>	Strong oxidizing agents, Acids, Moist air.
<b>Hazardous decomposition products</b>	
At thermal decomposition temperatures, carbon monoxide and carbon dioxide.	

## Section 11: Toxicological Information

<b>Information on likely routes of exposure</b>	
<b>Ingestion</b>	May be harmful if swallowed.
<b>Inhalation</b>	May be harmful if inhaled.
<b>Skin contact</b>	Causes severe skin burns and eye damage. May cause an allergic skin reaction.

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**Eye contact** Harmful in contact with eyes. Causes severe eye burns.

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

Not available

**Information on toxicological effects**

**Acute toxicity** Causes burns. May be harmful if swallowed. May be harmful in contact with skin.

<u>Components</u>	<u>Species</u>	<u>Test Results</u>
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PHENOL (Case 108-95-2)

**Acute**

**Dermal**

LD50

Rat

669 mg/kg

**Oral**

LD50

Rat

317 mg/kg

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Corrosive effects. Causes irritation.

**Serious eye damage/eye irritation**

Causes severe eye burns.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not available

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

**Germ cell mutagenicity** Suspected of causing genetic defects.

**Carcinogenicity**

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**

PHENOL (CAS 108-95-2) 3 Not classifiable as to carcinogenicity to humans.

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

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

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 available

**Specific target organ toxicity - repeated exposure**

Causes damage to organs through prolonged or repeated exposure.

**Aspiration hazard** Not available

**Chronic effects** Not expected to be hazardous by WHMIS criteria.

## Section 12: Ecological Information

**Ecotoxicity**

Accumulation in aquatic organisms is expected. Contains a substance which causes risk of hazardous effects to the environment. Expected to be harmful to aquatic organisms. The product contains a substance which may cause long-term adverse effects in the environment.

<u>Product</u>	<u>Species</u>	<u>Test Results</u>
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3000D Series Part B Coating and Lining (All Colors) (CAS Mixture)

**Aquatic**

Crustacea	EC50	Daphnia	1344.3275 mg/l, 48 hours estimated
Fish	LC50	Fish	974.0854 mg/l, 96 hours estimated

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### Components

### Species

### Test Results

PHENOL (Case 108-95-2)

#### **Aquatic**

Crustacea EC50

Water flea (*Daphnia obtusa*)

4.7 - 6.4 mg/l, 48 hours

Fish LC50

Asiatic knifefish (*Notopterus notopterus*)

8 - 8.25 mg/l, 96 hours

Estimates for product may be based on additional component data not shown.

#### **Persistence and degradability**

No data available

#### **Bioaccumulative potential**

No data available

#### **Mobility in soil**

No data available

#### **Other adverse effects**

No data available

## Section 13: Disposal Considerations

### **Disposal instructions**

Contract with a disposal operator licensed by the Law on Disposal and Cleaning. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.

### **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.

### **Contaminated packaging**

Offer rinsed packaging material to local recycling facilities.

## Section 14: Transportation Information

### **DOT**

Not regulated as dangerous goods.

### **IATA**

#### **UN number**

UN3334

#### **UN proper shipping name Aviation regulated liquid, n.o.s. Transport hazard class(es)**

#### **Class**

9

#### **Subsidiary risk**

-

#### **Packing group**

III

#### **Environmental hazards**

No

#### **ERG Code**

9A

#### **Special precautions for user**

Not available

#### **Other information**

#### **Passenger and cargo aircraft**

Allowed with restrictions.

#### **Cargo aircraft only**

Allowed with restrictions.

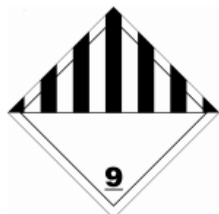
### **IMDG**

Not regulated as dangerous goods.

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

Not available

### **IATA**



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## Section 15: Regulatory information

### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. CERCLA/SARA Hazardous Substances - Not applicable.

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

### CERCLA Hazardous Substance List (40 CFR 302.4)

PHENOL (Case 108-95-2) Listed

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

PHENOL (Case 108-95-2) 1000 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

PHENOL (Case 108-95-2)

**Reportable quantity** 1000 pounds

**Threshold planning quantity** 500 pounds

**SARA 311/312 Hazardous chemical** No

### SARA 313 (TRI reporting)

PHENOL (Case 108-95-2) % by weight 2.97

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

PHENOL (Case 108-95-2)

#### 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

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

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

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))

PHENOL (Case 108-95-2)

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



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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** 06/05/2015  
**Revision date** 01/11/2018  
**Version #** 04  
**NFPA ratings** Health: 3  
Flammability: 1  
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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