

Safety Data Sheet (Complies with OSHA HCS)

Section 1: Identification

Product identifier	DX-5400 Series Part A Coating and Lining (All Colors)
Other means of identification	DX-5400
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
	Serious eye damage/eye irritation	Category 2
	Sensitization, skin	Category 1
	Germ cell mutagenicity	Category 2
	Carcinogenicity	Category 2
Environmental hazards	Not classified	
OSHA defined hazards	Not classified	
Label elements		



Signal word	Warning
Hazard statement	Suspected of causing cancer by ingestion. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing genetic defects.
Precautionary statement	Prevention Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.
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. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.
Storage	Store locked up.

Section 3: Composition/Information on Ingredients

Mixtures

Chemical name/Common name and synonyms	CAS number	%
PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER	28064-14-4	25-35
1,3-DIGLYCIDYLOXYBENZENE	101-90-6	10-20
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM	64742-95-6	<1

Section 4: First Aid Measures

Inhalation

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention, if needed

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Call a POISON CENTER or doctor/physician if you feel unwell. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. For minor skin contact, avoid spreading material on unaffected skin. Take off contaminated clothing and wash before reuse.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Continue rinsing. Get medical attention immediately.

Ingestion

Call a physician or poison control center immediately. Rinse mouth thoroughly. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Most important symptoms/effects, acute and delayed

Skin irritation. May cause an allergic skin reaction. Dermatitis. Rash. Irritant effects. May cause redness and pain. Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information

Take off contaminated clothing and shoes immediately. In case of shortness of breath, give oxygen. IF exposed or concerned: Get medical advice/attention. 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. Alcohol foam. Carbon dioxide (CO₂).

Unsuitable extinguishing media

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

Specific hazards arising from the chemical

Fire may produce irritating, corrosive and/or toxic gases.

Special protective equipment and precautions for firefighters

Wear suitable protective equipment. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

Fire fighting equipment/instructions

In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers. Cool containers exposed to flames with water until well after the fire is out. Water runoff can

cause environmental damage.

Specific methods

In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.

General fire hazards

No unusual fire or explosion hazards noted.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid skin contact and inhalation of vapors during disposal of spills. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

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. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewer, basements or confined areas. 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.

Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Section 7: Handling and Storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not breathe mist or vapor. Do not get this material in contact with eyes. Do not taste or swallow. Avoid contact with skin. Avoid prolonged exposure. Avoid contact with clothing. Do not use in areas without adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash thoroughly after handling. Avoid release to the environment. Do not empty into drains.

Conditions for safe storage, including any incompatibilities

CAUTION Store locked up. Keep away from heat, sparks and open flame. Store in a closed container away from incompatible materials. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep away from food, drink and animal feedingstuffs. Keep out of the reach of children. Store in accordance with local/regional/national/international regulation .

Section 8: Exposure Controls/Personal Protection

Biological limit values**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**

Safety glasses. If risk of splashing, wear safety goggles or face shield.

Skin protection Hand protection

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

Other

Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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

Appearance**Physical state**

Liquid

Form

Liquid

Color

Not available

Odor

Not available

Odor threshold

Not available

pH

7 estimated

Melting point/freezing point

4.64 °F (-15.2 °C) estimated

Initial boiling point and boiling range

> 392 °F (> 200 °C)

Flash point

> 302.0 °F (> 150.0 °C)

Evaporation rate

Not available

Flammability (solid, gas)

Not available

Upper/lower flammability or explosive limits**Flammability limit - lower (%)**

Not available

Flammability limit - upper (%)

Not available

Explosive limit - lower (%)

Not available

Explosive limit - upper (%)

Not available

Vapor pressure

82 Pa at 20°C

Vapor density

Not available

Relative density

Not available

Solubility(ies) Solubility (water)

Not available

Partition coefficient (n-octanol/water)

> 3

Auto-ignition temperature

572 °F (300 °C)

Decomposition temperature

Not available

Viscosity

Not available

Other information**Density**

13.90 lb/gal

Specific gravity

1.67 estimated

Section 10: Stability and Reactivity

Reactivity

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

Chemical stability

Stable

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid

Heat, flames and sparks. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials

Peroxides, Chlorine. Strong acids, alkalines and oxidizing agents.

Hazardous decomposition products

If product is burned hazardous gases such as oxides of carbon and nitrogen and various hydrocarbons may be produced.

Section 11: Toxicological Information

Information on likely routes of exposure

- Inhalation** May be harmful if inhaled.
- Skin contact** Causes skin irritation.
- Eye contact** Causes serious eye irritation.
- Ingestion** Suspected of causing cancer by ingestion. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms related to the physical, chemical and toxicological characteristics

Information on toxicological effects

Components	Species	Test Results
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1,3-DIGLYCIDYLOXYBENZENE (CAS 101-90-6)

Acute

Oral

LD50	Rat	2.57 g/kg
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* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Not available

Skin sensitization May cause sensitization by skin contact.

Germ cell mutagenicity Suspected of causing genetic defects.

Carcinogenicity Suspected of causing cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

1,3-DIGLYCIDYLOXYBENZENE (CAS 101-90-6) 2B Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens

1,3-DIGLYCIDYLOXYBENZENE (CAS 101-90-6)
Reasonably Anticipated to be a 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.

Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product	Species	Test Results
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DX-5400 Part A Coating and Lining (All Colors)

Aquatic

Crustacea	EC50	Daphnia	24330.9004 mg/l, 48 hours estimated
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Fish	LC50	Fish	24330.9004 mg/l, 96 hours estimated
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Components	Species	Test Results
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PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER (CAS 28064-14-4)

Aquatic

Acute

Fish	LC50	Fish	1 - 10 mg/l
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Persistence and degradability No data is available on the degradability of this product.

Section 12: Ecological Information

Bioaccumulative potential Not available
Partition coefficient n-octanol / water (log Kow)
 DX-5400 Part A Coating and Lining (All Colors) > 3
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**

Dispose in accordance with all applicable regulations. 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 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. Offer rinsed packaging material to local recycling facilities.

Section 14: Transport Information

DOT Not regulated as dangerous goods.
IATA Not regulated as dangerous goods.
IMDG Not regulated as dangerous goods.

Section 15: Regulatory Information**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not available

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. 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)

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 Not listed

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
1,3-DIGLYCIDYLOXYBENZENE	101-90-6	16.56

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

Not regulated

US state regulations

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

1,3-DIGLYCIDYLOXYBENZENE (CAS 101-90-6) Listed: July 1, 1989

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

1,3-DIGLYCIDYLOXYBENZENE (CAS 101-90-6)

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. (CAS 64742-95-6)

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).

Issue date	04-07-2015
Revision date	11-28-2017
Version #	03
NFPA ratings	Health: 2 Flammability: 0 Instability: 0

Section 16: Other Information

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.

