

Safety Data Sheet (Complies with OSHA HCS)

Section 1: Identification

Product identifier	DX-1100 Series Part B Coating and Lining (All Colors)
Other means of identification	DX-1100
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 1
	Sensitization, respiratory	Category 1
	Sensitization, skin	Category 1
	Reproductive toxicity	Category 2
	Specific target organ toxicity, single exposure	Category 3
	Specific target organ toxicity, repeated	Category 1
Environmental hazards	Not classified	
OSHA defined hazards	Not classified	
Label elements		



Signal word	Danger
Hazard statement	Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure.
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.

Response

IF ON SKIN: Gently wash with plenty of soap and water. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER/doctor. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Specific treatment see Section 4 of this SDS. IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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. Wash contaminated clothing before reuse.

Storage

Store locked up. Store in a well-ventilated place.

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

Section 3: Composition/Information on Ingredients**Mixtures**

Chemical name	CAS number	%
Polyamidoamine	Mixture	40-50
ALCOHOLS, C9-11, ETHOXYLATED	68439-46-3	15-20
* Other components below reportable levels		24.5

Section 4: First Aid Measures**Inhalation**

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Move to fresh air. 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. Call a physician or poison control center immediately. Call a physician if symptoms develop or persist.

Skin contact

Remove and isolate contaminated clothing and shoes. Remove contaminated clothing. Immediately flush skin with plenty of water. Wash off with soap and plenty of water. Wash off with soap and water. Rinse skin with water/shower. Get medical attention immediately. Get medical attention if irritation develops and persists. If skin irritation occurs: Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Rinse cautiously with water for several minutes. Rinse with water. Flush eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately. If eye irritation persists: Get medical advice/attention. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Rinse mouth thoroughly. 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. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. If ingestion of a large amount does occur, call a poison control center immediately. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms/effects, acute and delayed

Not available

Indication of immediate medical attention and special treatment needed

Symptoms may be delayed.

General information

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. 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

Not available

Specific hazards arising from the chemical

Not available

Special protective equipment and precautions for firefighters

Not available

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.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Keep upwind. Keep out of low areas. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Wear appropriate protective equipment and clothing during clean-up. Ventilate closed spaces before entering them. Do not touch or walk through spilled material.

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.

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

Never return spills in original containers for re-use. Absorb spill with vermiculite or other inert material.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

Section 7: Section 7: Handling And Storage**Precautions for safe handling**

Do not breathe dust/fume/gas/mist/vapors/spray. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin. Avoid contact with eyes. Do not get this material on clothing. Wear personal protective equipment. Do not use in areas without adequate ventilation. Wear positive pressure self-contained breathing apparatus (SCBA). When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash thoroughly after handling. Avoid release to the environment. Do not empty into drains. Handle and open container with care. Use care in handling/storage.

Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep container dry. Store in a closed container away from incompatible materials. Keep out of the reach of children. Use care in handling/storage. Store in accordance with local/regional/national/international regulation.

Section 8: Exposure Controls/Personal Protection**Occupational exposure limits****US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.

Biological limit values

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

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas. General ventilation normally adequate.

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. Chemical resistant gloves. Wear appropriate chemical resistant clothing.

Respiratory protection

Avoid breathing dust/fume/gas/mist/vapors/spray. If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Thermal hazards

Not available

General hygiene considerations

When using, do not eat, drink or smoke. Avoid contact with eyes. Avoid contact with skin. 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.

Section 9: Physical and Chemical Properties

Appearance	Liquid
Physical state	Liquid
Form	Liquid
Color	Golden to light amber
Odor	Ammoniacal, Amine-like
Odor threshold	Not available
pH	Alkaline
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	Not available
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	0.01 hPa estimated
Vapor density	Not available
Relative density	Not available
Solubility(ies) Solubility (water)	Not available
Partition coefficient (n-octanol/water)	Partial
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Other information	
Density	7.98 estimated
Specific Gravity	0.96

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Not available
Conditions to avoid	Not available
Incompatible materials	
Peroxides. Strong oxidizing agents. This product may react with strong acids. This product may react with strong alkalies. Chlorine.	
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**

Ingestion	Harmful if swallowed.
Inhalation	Toxic if inhaled. May cause damage to organs by inhalation.

Causes damage to organs through prolonged or repeated exposure by inhalation.

Skin contact

Causes skin irritation. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes damage to organs by skin contact. May cause damage to organs through prolonged or repeated exposure by skin contact.

Eye contact

Causes eye damage.

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

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization**Respiratory sensitization**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitization

Causes severe skin burns. Corrosive to skin and eyes.

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

Not Listed

US. National Toxicology Program (NTP) Report on Carcinogens

Not Listed

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

Not regulated

Reproductive toxicity

Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - single exposure

Skin Lung Nasal mucous membranes. Eyes. Respiratory tract.

Specific target organ toxicity - repeated exposure

Respiratory system. Skin.

Aspiration hazard

Not available

Chronic effects

Prolonged inhalation may be harmful.

Section 12: Ecological Information

Ecotoxicity

Contains a substance which causes risk of hazardous effects to the environment.

Product**Species****Test Results**

DX-1100 Series Part B Coating and Lining (All Colors) (CAS Mixture)

Aquatic

Product	Species	Test Results	
Crustacea	EC50	Daphnia	32.2587 mg/l, 48 hours estimated
	Fish	LC50	Fish

Components	Species	Test Results
ALCOHOLS, C9-11, ETHOXYLATED (CAS 68439-46-3)		
Crustacea EC50	Daphnia magna	2.9 - 8.5 mg/l, 48 hours
Fish LC50	Fathead minnow (Pimephales promelas)	1.5 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

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

Hazardous waste code Not regulated

Waste from residues / unused products

Not applicable. Dispose of in accordance with local regulations.

Contaminated packaging

Offer rinsed packaging material to local recycling facilities.

Section 14: Transportation Information

DOT

UN number	UN2735
UN proper shipping name	Amines, liquid, corrosive, n.o.s, or Polyamines, liquid, corrosive, n.o.s
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing Group	III
Special precautions for user	Not available
Special provisions	IB3, T7, TP1, TP28
Packaging exceptions	154
Packaging non bulk	203
Packaging bulk	241

IATA

UN number	UN2735
UN proper shipping name	Amines, liquid, corrosive, n.o.s, or Polyamines, liquid, corrosive, n.o.s
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing Group	III
Environmental hazards	No
ERG code	8L
Special precautions for user	Not available
Other information	
Passenger and cargo	Allowed with restrictions

Cargo aircraft only	Allowed with restrictions
IMDG	
UN number	UN2735
UN proper shipping name	Amines, liquid, corrosive, n.o.s, or Polyamines, liquid, corrosive, n.o.s
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing Group	III
Environmental hazards	
Marine pollutant	No
EmS	F-A,S-F
Special precautions for user	Not available

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



IATA; IMDG



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

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) 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 - Yes

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely hazardous substance Not listed

SARA 311/312 Hazardous chemical No

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

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

International Inventories**Country(s) or region/Inventory name On inventory****(yes/no)***

Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
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	No
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	No

*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	03/02/2016
Version	06
Revision Date	01/11/2018
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.

