

**1. IDENTIFICATION**

**Product identifier** 1100 Series 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.  
972-692-0962  
**After hours telephone number** 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 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. 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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

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

### 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. If eye irritation persists get medical 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.

### 5. FIRE-FIGHTING MEETHODS

#### 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.

### 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.

### 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.

## 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.

## 9. PHYSICAL & 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

|   |                    |
|---|--------------------|
| <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>      | Partial            |
| <b>Auto-ignition temperature</b>                    | Not available      |
| <b>Decomposition temperature</b>                    | Not available      |
| <b>Viscosity</b>                                    | Not available      |
| <b>Other information</b>                            |                    |
| <b>Density</b>                                      | 7.98 estimated     |
| <b>Specific Gravity</b>                             | 0.96               |

## 10. STABILITY & REACTIVITY

|   |   |
|---|---|
| <b>Reactivity</b>                         | Not available                               |
| <b>Chemical stability</b>                 | Material is stable under normal conditions. |
| <b>Possibility of hazardous reactions</b> | Not available                               |
| <b>Conditions to avoid</b>                | Not available                               |
| <b>Incompatible materials</b>             |   |

Peroxides. Strong oxidizing agents. This product may react with strong acids. This product may react with strong alkalis. Chlorine.

### **Hazardous decomposition products**

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

## 11. TOXICOLOGICAL INFORMATION

### **Information on likely routes of exposure**

|                     |   |
|---------------------|---|
| <b>Ingestion</b>    | Harmful if swallowed.   |
| <b>Inhalation</b>   | Toxic if inhaled. May cause damage to organs by inhalation. Causes damage to organs through prolonged or repeated exposure by inhalation.   |
| <b>Skin contact</b> | 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. |
| <b>Eye contact</b>  | 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.

**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**

|           |      |         |                                  |
|-----------|------|---------|----------------------------------|
| Crustacea | EC50 | Daphnia | 32.2587 mg/l, 48 hours estimated |
| Fish      | LC50 | Fish    | 42.4971 mg/l, 96 hours estimate  |

**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

**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.

**14. PHYSICAL & CHEMICAL PROPERTIES****DOT**

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

**IATA**

|                                |   |
|--------------------------------|---|
| <b>UN number</b>               | UN2735  |
| <b>UN proper shipping name</b> | Amines, liquid, corrosive, n.o.s, or Polyamines, liquid, corrosive, n.o.s |

**Transport hazard class(es)**

|                                     |                           |
|-------------------------------------|---------------------------|
| <b>Class</b>                        | 8                         |
| <b>Subsidiary risk</b>              | -                         |
| <b>Label(s)</b>                     | 8                         |
| <b>Packing Group</b>                | III                       |
| <b>Environmental hazards</b>        | No                        |
| <b>ERG code</b>                     | 8L                        |
| <b>Special precautions for user</b> | Not available             |
| <b>Other information</b>            |                           |
| <b>Passenger and cargo</b>          | Allowed with restrictions |
| <b>Cargo aircraft only</b>          | Allowed with restrictions |

**IMDG**

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN2735  |
| <b>UN proper shipping name</b>      | Amines, liquid, corrosive, n.o.s, or Polyamines, liquid, corrosive, n.o.s |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 8   |
| <b>Subsidiary risk</b>              | -   |
| <b>Label(s)</b>                     | 8   |
| <b>Packing Group</b>                | III   |
| <b>Environmental hazards</b>        |   |
| <b>Marine pollutant</b>             | No  |
| <b>EmS</b>                          | F-A,S-F   |
| <b>Special precautions for user</b> | Not available   |

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



**IATA; IMDG**



**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)**

|                          |                   |     |
|--------------------------|-------------------|-----|
| <b>Hazard categories</b> | 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).

**16. OTHER INFORMATION**

**Issue date** 05/20/2015  
**Version** 03  
**Revision Date** 9/5/2024

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.