

# Product Safety Data Sheet

## Endura-Clad Traffic Striping & Marking Paint

### SECTION 1: Identification

- 1.1**    **Product identifier**                      10-617
- Product name**                              TLine 100% Acrylic Marking Paint
- Product Number**
- 
- Brand Name(s), AKA**              Endura-Clad Traffic Striping & Marking Paint
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- 1.2**    **Other means of identification** Exterior  
Traffic & Marking Paint
- 1.3**    **Recommended use of the chemical and restrictions on use** Asphalt  
/ Concrete Marking Paint
- 1.4**    **Manufactured for**  
**Endura-Clad Coatings by:**  
Premier Finishes Inc.  
17890 NE Airport Way #155  
Portland, OR 97230  
USA  
  
503-241-2770

### SECTION 2: Hazard identification



#### General hazard statement

Do not let product enter sewers or public waters    Ensure  
adequate ventilation.  
Use personal protective equipment.

- 2.1**    **GHS classification** in accordance with: (US) OSHA (29 CFR 1910.1200)
- Not a hazardous substance or mixture.
- 2.2**    **GHS label elements, including precautionary statements**

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## Endura-Clad Traffic Striping & Marking Paint

Not a hazardous substance or mixture.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Formula 10-617

Other names / synonyms Marking Paint

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

#### Potentially Hazardous Components:

##### 1. Rheological Additive

Concentration 0.15-0.20 % (Weight)  
REACH registration exempt

##### 2. MONOETHANOLAMINE 85% & 99%

Concentration 0.10-0.15 % (Weight)  
UN 2491; USAF EK-1597

EC no. 205-483-3  
CAS no. 141-43-5  
Index no. 603-030-00-8

- Acute toxicity (chapter 3.1), Cat. 4
- Skin corrosion/irritation (chapter 3.2), Cat. 1B
- Flammable liquids (chapter 2.6), Cat. 4
- Eye damage/irritation (chapter 3.3), Cat. 1
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 2
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 3

H227	Combustible liquid
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation
H401	Toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects

##### 3. Nepheline Syenite

Concentration 30-40 % (Weight)

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CAS no. 37244-96-5

### 12. Trade secret

Concentration 1-99 % (Weight)

Trade secret statement (OSHA 1910.1200(i))

## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

**General advice** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

**If inhaled** If inhaled: Call a poison center or doctor if you feel unwell.

Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

**In case of skin contact** If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor. Wash contaminated clothing before reuse.

Acute and delayed symptoms and effects: May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

**In case of eye contact** If in eyes: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Acute and delayed symptoms and effects: Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

**If swallowed** If swallowed: Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

### Personal protective equipment for first-aid responders

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Wash off with soap and plenty of water. Get medical attention if symptoms occur.

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

Not expected to present a significant hazard under anticipated conditions of normal use.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

If swallowed: Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### 5.3 Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

### 6.2 Environmental precautions

Keep out of drains, sewers, ditches, and waterways.

### 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

### 7.2 Conditions for safe storage, including any incompatibilities.

Keep container tightly closed. Keep out of the reach of children.

#### Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### CAS: (not specified)

Nuisance Dust

ACGIH (US): 3 mg/m<sup>3</sup> 10 mg/m<sup>3</sup> TWA inhalation

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### 10-617 \* TLine 100% Acrylic Marking Paint - Neutral Base

#### **CAS: 141-43-5**

Ethanolamine

ACGIH (USA): 3 ppm, (ST) 6 ppm TLV® inhalation; Cal/OSHA: 3 ppm, (ST) 6 ppm PEL inhalation; NIOSH: 3 ppm, (ST) 6 ppm REL inhalation; OSHA: 3 ppm PEL inhalation; 6 mg/m<sup>3</sup> PEL inhalation

#### **CAS: 14808-60-07**

Quartz

ACGIH (US): .025 mg/m<sup>3</sup> TWA

#### **CAS: 14808-60-7**

Quartz

OSHA (US): 0.1 mg/m<sup>3</sup> 0.3 mg/m<sup>3</sup> TWA

### **8.2 Appropriate engineering controls**

If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### **8.3 Individual protection measures, such as personal protective equipment (PPE)**

#### **Eye/face protection**

Safety glasses with side-shields.

#### **Skin protection**

Protective gloves and impervious clothing.

#### **Body protection**

Wear suitable protective clothing.

#### **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## **SECTION 9: Physical and chemical properties**

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### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid
Odor	Mild acrylic
Odor threshold	None-Slight
pH	8.3-9.3
Freezing point	45 F / 7.2 C
Initial boiling point and boiling range	> 212 F / 100C
Flash point	Non Combustible
Flammability (solid, gas)	Not applicable.
Relative density	1.4078511
Solubility(ies)	Water
Auto-ignition temperature	Non Combustible
Decomposition temperature	No data available.
Viscosity	102-105 KU
Explosive properties	None.

### Other safety information

Other information  
Wt. % Solids: 64.0598  
Vol. % Solids: 48.4854  
Wt. % Volatiles: 35.9402

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No specific test data related to reactivity is available for this product or its ingredients.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur. Hazardous polymerization does not occur.

### 10.4 Conditions to avoid:

P210 - Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. P233  
- Keep container tightly closed.  
P262 - Do not get in eyes, on skin, or on clothing.  
P273 - Avoid release to the environment.  
P308+P313 - IF exposed or concerned: Get medical advice/attention.

### 10.5 Incompatible materials

No data available.

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Rheological Additive: None Known

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MONOETHANOLAMINE 85% & 99%: Oxidizers, acids

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**10.6 Hazardous decomposition products** No data available.

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Rheological Additive: No dangerous reaction known under conditions of normal use

## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Symptoms (including delayed and immediate effects):

Inhalation: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Ingestion: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Eye: see below.

Skin: see below.

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MONOETHANOLAMINE 85% & 99%: \*ACUTE/CHRONIC HAZARDS:

This compound is irritating to the skin, eyes, lungs and mucous membranes. [058,269]. It may be absorbed through the skin [058]. Hazardous decomposition products may include carbon monoxide, carbon dioxide and oxides of nitrogen [058,269].

#### Skin corrosion/irritation

May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

#### Serious eye damage/irritation

May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision. Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

#### Respiratory or skin sensitization

Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). If respirated, consult a physician.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.  
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### Reproductive toxicity

No data available.

#### Summary of evaluation of the CMR properties

No data available.

#### STOT-single exposure

No data available.

#### STOT-repeated exposure

No data available.

#### Aspiration hazard

No data available.

## SECTION 12: Ecological information

#### Toxicity

No data available.

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Rheological Additive: Contains a substance which risk of hazardous effects to the environment.

#### Persistence and degradability

No data available.

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Rheological Additive: Not inherently biodegradable. the methods for determining the biological degradability are not applicable to inorganic substances.

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MONOETHANOLAMINE 85% & 99%: Biodegradability aerobic - Exposure time 28 d  
Result: > 70 % - Readily biodegradable  
(OECD Test Guideline 301F)

#### Bioaccumulative potential

No data available.

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Rheological Additive: Not applicable

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MONOETHANOLAMINE 85% & 99%:  
<http://webnet.oecd.org/ccrweb/ChemicalDetails.aspx?ChemicalID=A51B9C16-0837-416F-9697-991CEC9F46D1>

Bioaccumulative (B)? No

#### Mobility in soil



## **Product Safety Data Sheet**

### **Endura-Clad Traffic Striping & Marking Paint**

No data available.

#### **Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

## **SECTION 13: Disposal considerations**

#### **Disposal of the product**

Dispose of contents/containers in accordance with local regulations. Offer surplus and non-recyclable solutions to a licensed disposal company.

#### **Disposal of contaminated packaging**

Do not reuse empty containers. Dispose of unused products.

#### **Waste treatment**

Do not let products enter sewers or public waters. Sweep up and shovel. Do not flush with water. Keep in suitable, closed containers for disposal. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13)

#### **Sewage disposal**

Do not let product enter sewers or public waters.

## **SECTION 14: Transport information**

#### **DOT (US)**

Not dangerous goods

#### **IMDG**

Not dangerous goods

#### **IATA**

Not dangerous goods

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations specific for the product in question**

#### **New Jersey Right To Know Components**

Common name: ETHANOLAMINE

CAS number: 141-43-5

#### **Pennsylvania Right To Know Components**

Chemical name: Ethanol, 2-amino-

CAS number: 141-43-5

#### **US federal regulations**

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

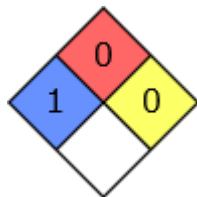
#### **HMIS Rating**

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## Endura-Clad Traffic Striping & Marking Paint

10-617 * TLine 100% Acrylic Marking Paint - Neutral Base	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

### NFPA Rating



## SECTION 16: Other information

### 16.1 Further information/disclaimer

While the description, data, and information contained herein are presented in good faith and believed to be accurate, it is provided for guidance only. Because many factors may affect application/use, it is recommended that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding the product described, data, or information set forth, or that the product, data, or information may be used without infringing the intellectual property rights of others. In no case shall the description, information, or data provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree the description, data, and information furnished herein are provided gratis and we assume no obligation or liability for the description, data, and information given or results obtained, all such being given and accepted at your risk. The content of this SDS (a.k.a. MSDS) is copyrighted [(c) PFI]. This SDS may be shared, without changes, and no changes to the PFI content are authorized. Updates to all PFI SDS documents must be obtained directly from PFI. See Section 1 for PFI contact and website information.