



# SAFETY DATA SHEET

| Name of Material |                      |
|------------------|----------------------|
| 1                | HEALTH               |
| 0                | FLAMMABILITY         |
| 0                | REACTIVITY           |
| X                | PROTECTIVE EQUIPMENT |

## Section I - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** XL-1000® Refined Tar Pavement Sealer

**ITEM #:** XL-1000® CT Sand Mix: #1100 (5 Gallon Pail)  
#1110 (55 Gallon Drum)  
#1120 (Bulk)

XL-1000® CT (Straight): #1080 (55 Gallon Drum)  
#1090 (Bulk)

**MANUFACTURER NAME:** Dalton Enterprises, Inc.

**ADDRESS:** 131 Willow Street, Cheshire, CT 06410

**EMERGENCY PHONE NUMBER:** (203) 272-3221

**AFTER 5 PM AND ON WEEKENDS:** (203) 272-3221

**ORIGINATOR:** RL

**TRADE NAMES & SYNONYMS:** Refined Tar Emulsion

**CHEMICAL FAMILY:** Blacktop coatings / sealant

**EFFECTIVE DATE:** 11/17/2014

**DATE SUPERSEDED:** 02/25/2008

**Product Description:** Proper application of ready-to-use emulsified product as applied presents no degree of hazard to the user. Outdoor use only.

## Section II - HAZARDS IDENTIFICATION

**Emergency Overview: Signal Word: Warning**



**HCS Pictogram:**

**Routes of Entry: Skin, Eyes, Ingestion, Inhalation**

**Health Hazard (Acute): Effects of Overexposure/Acute Overexposure:**

**Eyes:** May cause eye irritation which in the absence of recommended first aid may result in severe burns.

**Inhalation:** May cause headache and nausea. Prolonged and repeated inhalation may be harmful to

respiratory system.

**Skin:** May cause irritation of skin or more harmful effects. When not washed off or accentuated by sunlight, skin contact with the product or product volatiles may result in burns which may be severe.

**Ingestion:** May cause nausea, cramps, vomiting, diarrhea or acute effects. May be fatal in large amounts.

**Unusual Chronic Toxicity:**

Prolonged or repeated contact over many years in the absence of good hygiene and personal protection may lead to changes in skin pigmentation and skin tumors and cancer of the skin, lungs, kidney, or bladder.

**Carcinogenic:**

Yes, listed in IARC, ACGIH, and NTP. **WARNING:** Using this product will expose you to a chemical known to the state of California to cause cancer.

**Medical conditions generally aggravated by exposure:** Asthma, Chronic lung disease, Skin rashes

**Reproductive effects:** May present reproductive hazard

**Teratogenic:** NO

**Mutagenic:** NO.

**Section III - COMPOSITION**

| <u>Ingredient</u>  | <u>CAS#</u> | <u>% Composition</u> |
|--------------------|-------------|----------------------|
| Refined Tar        | 65996-93-2  | 30 - 33%             |
| Clay               | 1332-58-7   | 17 - 20%             |
| Crystalline Silica | 14808-60-7  | 18%                  |
| Water              | 25586-20-3  | 45 - 50%             |

**Section IV - FIRST-AID MEASURES**

**EMERGENCY AND FIRST AID PROCEDURES:**

**Eyes:** Immediately flush with plenty of water for 15 minutes and call a physician.

**Inhalation:** If affected, remove to fresh air.

**Skin:** Wash thoroughly with plenty of water and soap.

**Ingestion:** Seek physician immediately, show MSDS or label, DO NOT induce vomiting.

## Section V – FIRE-FIGHTING MEASURES

**Flash Point:** N/A

**Flammability Classification:** N/A **LEL:** N/A  
**UEL:** N/A

**Extinguishing Media:** CO<sub>2</sub>, dry chemical, foam, sand.

**Special Fire Fighting Procedures:** Full protective equipment, including self-contained breathing equipment apparatus to be worn. Water cool sealed containers in area of fire to prevent rupture due to steam generation.

**Unusual Fire and Explosion Hazards:** Containers may rupture due to steam pressure.

**NFPA Rating:** **Health 1; Fire 0;** Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**Impact Sensitive:** No

**Static Sensitive:** No

**Explosive Power:** N/A

**Burning Rate:** N/A

## Section VI – ACCIDENTAL RELEASE MEASURES

**Steps to be taken in case material is released or spilled:** Ventilate the area. Wear approved respiratory protection. Wear suitable protective clothing, gloves and eye/face protection. Contain and pick up waste materials. Put in a sealed, approved container. Dispose of in accordance with federal, state and local regulations.

## Section VII – HANDLING AND STORAGE

**Handling Precautions:** Wash thoroughly after using/handling. Wash hands before eating. Avoid eye contact.

**Storage Precautions:** Keep container closed and upright to prevent leakage. Store in a cool, dry, ventilated area. Avoid freezing. Keep container upright to prevent leakage.

## Section VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION



**Personal protective equipment pictograms:**

**Respiratory Protection:** None required if good ventilation is maintained. This product is an emulsified, encapsulated mixture which greatly reduces the likelihood of exposure to hazardous particles.

**Protective Gloves:** Yes

**Eye Protection:** Yes (goggles)

**Work/Hygienic Practices:** Keep container closed. Wash hands after use.

## Section IX – PHYSICAL AND CHEMICAL PROPERTIES

|                                      |                          |
|--------------------------------------|--------------------------|
| <b>Appearance:</b>                   | Black or Brownish Liquid |
| <b>Color:</b>                        | Black/Brown              |
| <b>State:</b>                        | Liquid                   |
| <b>Odor:</b>                         | Tar odor                 |
| <b>Boiling Point:</b>                | 100° C (212° F)          |
| <b>Freezing Point:</b>               | 0° C (32° F)             |
| <b>Molecular Weight:</b>             | Mixture                  |
| <b>Specific Gravity (Water=1):</b>   | 1.0 - 1.3                |
| <b>Vapor Density (Air=1):</b>        | <Water                   |
| <b>Evaporation Rate (water = 1):</b> | 1                        |
| <b>Water/Oil Dist. Coefficient:</b>  | 1/1                      |
| <b>Solubility in Water:</b>          | Miscible                 |
| <b>Percent Volatility:</b>           | 50 - 53%                 |
| <b>MAX VOC:</b>                      | Less than 50 g/L         |
| <b>pH:</b>                           | 6.5 – 8.0                |

## Section X – STABILITY AND REACTIVITY

**Chemical Stability:** Stable at ambient temperatures.

**Incompatibility:** (Conditions/Materials to avoid) Strong oxidizers.

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition Products:** Thermal decomposition may yield oxides of carbon.

**Section XI – TOXICOLOGICAL INFORMATION**

| <u>Component Name</u> | <u>Concentration</u> | <u>CAS</u> | <u>Data</u>  |
|-----------------------|----------------------|------------|--|
| Refined Tar           | 30-33%               | 65996-93-2 | <b>Acute oral toxicity:</b> LD50 rat<br>Dose: 1,800 mg/kg<br><b>Acute dermal toxicity:</b> LD50 rat<br>Dose: no data available |
| Crystalline Silica    | 18%                  | 14808-60-7 | <b>Acute oral toxicity:</b> LD50 rat<br>Dose: 1,300 mg/kg<br><b>Acute dermal toxicity:</b> LD50 rat<br>Dose: no data available |

**Component: Coal Tar Pitch (CAS-No.: 65996-93-2):**

- NTP:** This component, Refined Tar (CAS-No.: 65996-93-2) is a chemical known to cause cancer.
- IARC:** Refined Tar (CAS-No.: 65996-93-2) Group 2B possibly carcinogenic to humans.
- OSHA:** This component, Coal Tar Pitch (CAS-No.: 65996-93-2) is a chemical known to cause cancer.
- CA Prop 65:** CHEMICAL WARNING (California Health and Safety Code #25249.5 ET SEQ): This product contains chemicals known to the State of California to cause cancer, birth defects or reproductive harm:  
Refined Tar (CAS-No.: 65996-93-2)

**Component: Crystalline Silica: (CAS-No.:14808-60-7)**

- NTP:** In its Ninth Annual Report on Carcinogens respirable crystalline silica was classified as a known human carcinogen.
- IARC:** According to Volume 68 of the IARC Monographs on the Evaluation of Risks to humans, concluded that there was "sufficient evidence in humans for the carcinogenicity of crystalline silica in the forms of quartz or cristobalite from occupational sources". IARC's evaluation was that "crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (group1) but was noted that carcinogenicity was not detected in all industrial studies.
- OSHA:** Crystalline silica is not regulated as a carcinogen.

**Section XII – ECOLOGICAL INFORMATION**

- Ecological Fate:** No data available
- Persistence/Degradability:** No data available
- Bioaccumulation Potential:** No data available
- Mobility in Soil:** No data available

Analysis for ecological effects has not been conducted.

**Section XIII - DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Dispose of in accordance with Local, State, and Federal regulations.

**Section XIV - TRANSPORT INFORMATION**

**PROPER SHIPPING NAME:** Elevated temperature liquid, n.o.s.

**HAZARD CLASS:** 9

**SUBSIDIARY HAZARD CLASS:** NONE

**DOT IDENTIFICATION NUMBER:** NONE

**DOT SHIPPING LABEL:** NONE

**Section XV - REGULATORY INFORMATION**

| Component Name | CAS        | State Right to Know |     |     |
|----------------|------------|---------------------|-----|-----|
|                |            | MA                  | NJ  | PA  |
| Refined Tar    | 65996-93-2 | yes                 | yes | yes |
| Water          | 7732-18-5  | no                  | no  | no  |

**California Prop 65:**

WARNING! This product contains a chemical known to the State of California to cause cancer: Refined Tar (CAS-No: 65996-93-2) and Crystalline Silica (CAS-No: 14808-60-7).

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):**

Components of this product are on the California Proposition 65 lists.

**Section XVI - OTHER INFORMATION**

**Other Precautions:**

Do not take internally.

Keep away from children.

For external use only.

Store in a cool, dry place.

Keep away from sources of ignition.

Do not apply during or before rain to avoid runoff.

Do not apply if pavement is below 55 degrees F.

**Effective Date:** 11/17/2014

**Date Superseded:** 02/25/2008

**Prepared By: RL**

**Disclaimer/Statement of Liability:**

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