



# Safety Data Sheet

## Section 01 - Identification

Product Identifier	Elsro #1100 Crack Filler
Other Means of Identification	None
Product Use and Restrictions on Use	Asphalt emulsion for sealing cracks in asphalt and concrete.
Initial Supplier Identifier	ClearTech Industries Inc. 1500 Quebec Avenue Saskatoon, SK. Canada S7K 1V7
Prepared By	ClearTech Industries Inc. Technical Writer Phone: 1 (800) 387-7503
24-Hour Emergency Phone	Phone: 1 (306) 664 – 2522

## Section 02 - Hazard Identification

### GHS-Classification

This product has been assessed in accordance with the Hazardous Products Regulations and is not classified as a hazardous substance or mixture.

## Section 03 - Composition / Information on Ingredients

Chemical Name	CAS Number	Weight %	Unique Identifiers
Petroleum Asphalt	8052-42-4	65-70%	

## Section 04 - First Aid Measures

Inhalation	If symptoms are experienced, remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek medical attention.
Skin Contact / Absorption	Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if irritation occurs or persists.
Eye Contact	Contact lenses should never be worn when working with this product. Flush immediately with water for at least 30 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye tissue. If irritation persists, seek medical attention.
Ingestion	Dilute by giving water or milk to drink if the victim is conscious. Do not induce vomiting. If vomiting occurs, keep the head below the hips to prevent lung aspiration. Seek medical attention.
Additional Information	Not Available

## Section 05 - Fire Fighting Measures

Suitable Extinguishing Media	Water fog, foam, carbon dioxide for surrounding fire.
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**Unsuitable Extinguishing Media** Not Available

**Specific Hazards Arising From the Chemical** None known.

**Special Protective Equipment and Precautions for Fire-Fighters** Wear NIOSH-approved self-contained breathing apparatus and protective clothing.

**Further Information** Not Available

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## Section 06 - Accidental Release Measures

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**Personal Precautions / Protective Equipment / Emergency Procedures** Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so. Flush with water to remove any residue.

**Environmental Precautions** Prevent material from entering sewers.

**Methods and Materials for Containment and Cleaning Up** Dike and contain any spills. Soak up/recover spilled product and place in sealed/marked container for future disposal.

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## Section 07 - Handling and Storage

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**Precautions for Safe Handling** Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.

**Conditions for Safe Storage** Keep containers closed when not in use. Do not allow product to freeze while in storage.

**Incompatibilities** Strong oxidizers.

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## Section 08 - Exposure Controls and Personal Protection

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### Exposure Limit(s)

Component	Regulation	Type of Listing	Value
Petroleum Asphalt	ACGIH	TLV-TWA	0.5mg/m <sup>3</sup> (Inhalable fraction and vapour)

### Engineering Control(s)

**Ventilation Requirements** Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions must be provided in accordance with all fire codes and regulatory requirements. Supply sufficient replacement air to make up for air removed by exhaust systems.

**Other** Emergency shower and eyewash must be available and tested in accordance with regulations and be in close proximity.

### Protective Equipment

**Eyes/Face** Chemical safety glasses with side shields should be worn while product is being handled.

**Hand Protection** Impervious gloves of chemically resistant material (rubber or PVC) should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.

**Skin and Body Protection** Body suite, aprons, and/or coveralls of chemical resistant material should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.

No special footwear is required other than what is mandated at place of work.

**Respiratory Protection** Utilize respiratory equipment to prevent exposure to product vapors/mists.

**Thermal Hazards** Not Available

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## **Section 09 - Physical and Chemical Properties**

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### **Appearance**

**Physical State** Liquid

**Colour** Dark brow

**Odour** Slightly pungent odour

**Odour Threshold** Not Available

### **Property**

**pH** 9.0

**Melting Point/Freezing Point** Not Available

**Initial Boiling Point and Boiling Range** 100°C

**Flash Point** > 100°C

**Evaporation Rate** Not Available

**Flammability** None

**Upper Flammable Limit** Not Available

**Lower Flammable Limit** Not Available

**Vapour Pressure (mm Hg, 20°C)** Not Available

**Vapour Density (Air=1)** Not Available

**Relative Density** Not Available

**Solubility(ies)** Soluble in water

**Partition Coefficient: n-octanol/water** Not Available

**Auto-ignition Temperature** Not Available

**Decomposition Temperature** Not Available

**Viscosity** Not Available

**Explosive Properties** Not Available

**Specific Gravity (Water=1)** 1.00

**% Volatiles by Volume** < 1

**Formula** Not Available

**Molecular Weight** Not Available

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## Section 10 - Stability and Reactivity

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<b>Reactivity</b>	Not Available
<b>Stability</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	Not Available
<b>Conditions to Avoid</b>	Not Available
<b>Incompatible Materials</b>	Strong oxidizers.
<b>Hazardous Decomposition Products</b>	Not Available

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## Section 11 - Toxicological Information

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### Acute Toxicity Estimate

<b>Component</b>	<b>Oral LD<sub>50</sub></b>	<b>Dermal LD<sub>50</sub></b>	<b>Inhalation LC<sub>50</sub></b>
Elsro #1100 Crack Filler	> 7,142 mg/kg (rat)	> 2,857 mg/kg (rabbit)	> 134.8 mg/m <sup>3</sup> (rat, inhalation)

This product has been classified in accordance with the Hazardous Products Regulations using ATE formula documented in the GHS standard.

### Chronic Toxicity – Carcinogenicity

<b>Component</b>	<b>IARC</b>
Elsro #1100 Crack Filler	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

Fumes of this substance are possibly carcinogenic to humans. Oxidized asphalt is a carcinogen.

<b>Skin Corrosion/Irritation</b>	Exposure may cause mild skin irritation. Prolonged contact may cause redness, burning, drying and cracking of the skin.
<b>Ingestion</b>	May cause irritation of the digestive tract.
<b>Inhalation</b>	Exposure may cause irritation of the nose, throat and respiratory tract.
<b>Serious Eye Damage/Irritation</b>	Direct contact may cause mild to moderate irritation including tearing, redness, pain and swelling. Product mists may also cause irritation.
<b>Respiratory or Skin Sensitization</b>	This product is not considered a sensitizer
<b>Germ Cell Mutagenicity</b>	No effects expected.
<b>Reproductive Toxicity</b>	No effects expected.
<b>STOT-Single Exposure</b>	Symptoms of respiratory irritation include runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function. Symptoms of gastrointestinal irritation include sore throat, abdominal pain, nausea, vomiting and diarrhea. Transient central nervous system depression may be evidenced by headache, dizziness, nausea and symptoms of intoxication.
<b>STOT-Repeated Exposure</b>	Not Available
<b>Aspiration Hazard</b>	Aspiration causes slow onset and low degree of chemical pneumonitis with clinical symptoms of lower respiratory tract irritation.
<b>Synergistic Materials</b>	No effects expected.

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## Section 12 – Ecological Information

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### Ecotoxicity

Component	Toxicity to Algae	Toxicity to Fish	Toxicity to Daphnia and Other Aquatic Invertebrates
Petroleum Asphalt	Not Available	Not Available	Not Available

### **Biodegradability**

This product is estimated to have a slow rate of biodegradation.

### **Bioaccumulation**

This product is not expected to bioaccumulate through food chains in the environment.

### **Mobility**

Not Available

### **Other Adverse Effects**

Not Available

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## Section 13 – Disposal Considerations

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### **Waste From Residues/Unused Products**

Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

### **Contaminated Packaging**

Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

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## Section 14 – Transport Information

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**UN Number** Not Regulated

**UN Proper Shipping Name** Not Regulated

**Transport Hazard Class(es)** Not Regulated

**Packaging Group** Not Regulated

**Environmental Hazards** Not listed as a marine pollutant under Canadian TDG Regulations, schedule III.

**Special Precautions** Not Available

**Transport in Bulk** Not Available

### TDG

**Other** Secure containers (full and/or empty) with suitable hold down devices during shipment and ensure all caps, valves, or closures are secured in the closed position.

**TDG PRODUCT CLASSIFICATION:** This product has been classified on the preparation date specified at section 14 of this MSDS / SDS, for transportation in accordance with the requirements of part 2 of the Transportation of Dangerous Goods Regulations. If applicable, testing and/or published test data regarding the classification of this product are listed in the references at section 16 of this MSDS / SDS.

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## Section 15 – Regulatory Information

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**NOTE: THE PRODUCT LISTED ON THIS SDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS SDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.**

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## Section 16 – Other Information

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**Preparation Date** August 24, 2015

**Revision Date** May 31, 2018

**Note:** The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of

our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.

**Attention: Receiver of the chemical goods / SDS coordinator**

As part of our commitment to the Canadian Association of Chemical Distributors (CACD) Responsible Distribution<sup>®</sup> initiative, ClearTech Industries Inc. and its associated companies require, as a condition of sale, that you forward the attached Safety Data Sheet(s) to all affected employees, customers, and end-users. ClearTech will send any available supplementary handling, health, and safety information to you at your request.

If you have any questions or concerns please call our customer service center.

**References:**

- 1) CHEMINFO
- 2) eChemPortal
- 3) TOXNET
- 4) Transportation of Dangerous Goods Canada
- 5) HSDB
- 6) ECHA

**ClearTech Industries Inc. - Locations**

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**24 Hour Emergency Number - All Locations – 1(306) 664-2522**