



## Material Safety Data Sheet (MSDS)

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** Direct Fire Crack & Joint Sealant  
**ADDRESS:** 131 Willow Street, Cheshire, CT 06410  
**AFTER 5 PM AND ON WEEKENDS:** 1-888-711-RITE (7483)  
**TRADE NAMES & SYNONYMS:**  
**EFFECTIVE DATE:** 4/1/04  
**MANUFACTURER NAME:** Dalton Enterprises, Inc.  
**EMERGENCY PHONE NUMBER:** 1-888-711-RITE (7483)  
**ORIGINATOR:** R.A.P.  
**CHEMICAL FAMILY:**  
**DATE SUPERSEDED:** N/A

### SECTION II - INGREDIENTS

#### ASPHALT CEMENT

CAS #8052-42-2  
Listed in SARA Title III, Section 313: No  
ACGIH TLV: .5 mg/m<sup>3</sup> (volatiles)  
LC50: N/A  
% by weight: > 60%  
OSHA PEL: 5 mg/m<sup>3</sup> (volatiles)  
STEL: N/A  
LD50: N/A

Ingredients total weight % are below 100% only if all others unlisted are not considered hazardous by any federal (OSHA, WHMIS, SARA), any state or province, or local Right-To-Know regulations.

### SECTION III - PHYSICAL DATA

**APPEARANCE & ODOR:** Black semi-solid  
**BOILING POINT:** 750° F  
**VAPOR PRESSURE:** N/A  
**SPECIFIC GRAVITY:** 1.05 - 1.25  
**SOLUBILITY IN WATER:** Dispersed in water  
**EVAPORATION RATE:** Negligible  
**PHYSICAL STATE:** Semi-solid  
**FREEZING POINT:** N/A

**THRESHOLD ODOR:** N/A  
**VAPOR DENSITY:** N/A

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY CLASSIFICATION:** Not Regulated  
**FLASH POINT:** Greater than 450°  
**LOWER EXPLOSIVE LIMIT (LEL):** 1.0  
**AUTO IGNITION TEMP:** N/A  
**UPPER EXPLOSIVE (UEL):** 6.0  
**COMBUSTION PRODUCTS:**  
Hydrogen Sulfide, Sulfur Dioxide, Carbon Monoxide, Carbon Dioxide and other unidentified hydrocarbons.

#### EXTINGUISHING MEDIA:

Class B fire extinguishing media such as but not limited to, Halon, CO<sub>2</sub>, or dry chemical.

#### SPECIAL FIRE FIGHTING PROCEDURES:

Fire fighters should wear self-contained breathing equipment in addition to normal personal protective equipment. Do not allow run off from fire fighting procedures to enter public waterways. Avoid using solid water streams. Water spray and foam must be applied carefully to avoid frothing. Use water to cool surfaces.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS:

Hot materials may ignite flammable materials on contact. Use adequate ventilation with clean-up procedures.

**NFPA RATING:** HEALTH: 1 FIRE: 1 REACTIVITY: 0

**UN/NA/PIN#:** N/A

**IMPACT SENSITIVE:** No

**STATIC SENSITIVE:** No

**EXPLOSIVE POWER:** N/A

**BURNING RATE:** N/A

N/A = Not available or applicable

## SECTION V - HEALTH HAZARD DATA

**THRESHOLD LIMIT VALUE:** See section II

**ROUTES OF ENTRY:** Skin, eyes, inhalation, ingestion.

### **EFFECTS OF OVEREXPOSURE/ACUTE OVEREXPOSURE:**

**Eyes:** May cause severe eye irritation which can result in irreversible damage.

**Inhalation:** May cause headaches, dizziness, nausea vomiting and perhaps loss of consciousness. Vapors may be irritation to eyes, nose and throat.

**Skin:** May cause irritation of skin and/or systemic effects by absorption.

**Ingestion:** May result in vomiting; aspiration of vomitus must be avoided as liquid contact with the lungs can result in chemical pneumonitis and pulmonary edema/hemorrhage. Have patient drink large amounts of water; contact a physician.

### **UNUSUAL CHRONIC TOXICITY:**

Hydrogen Sulfide gas is toxic by inhalation. 50-100 ppm irritation, 250 - 500 ppm headache, 1000+ ppm unconsciousness and death.

**CARCINOGENIC:** N/A

### **EMERGENCY AND FIRST AID PROCEDURES:**

**Eyes:** Hot materials may cause burns, immediately flush with clean water for 15 minutes while holding eyelids open, consult a physician.

**Inhalation:** If overcome by mist or vapor, remove from exposure immediately; call a physician. If breathing is stopped or irregular, start resuscitation, administer oxygen.

**Skin:** Remove any contaminated clothing and wash skin with soap and warm water. Vegetable or mineral oil can remove dry material. Do not use solvents or thinner to clean skin.

**Ingestion:** INDUCE VOMITING! Prevent aspiration of liquid into lungs. Get immediate medical attention.

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**INCOMPATIBILITY (materials to avoid):** Strong oxidizing agents

**HAZARDOUS POLYMERIZATION:** Will not occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen Sulfide, Sulfur Dioxide, Carbon Dioxide, Carbon Monoxide and other unidentified hydrocarbons

## SECTION VII - SPILL OR LEAK PROCEDURES

SARA TITLE III: #302; No #304 CERCLA: No  
#313: Yes RCRA: No

### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Remove all ignition sources. Ventilate the area. Wear suitable protective clothing, gloves & eye/face protection. Put in a sealed approved container. Scoop up for reuse or disposal. Dispose of in accordance with federal, state and local regulations.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with federal, state and local regulations.

**REPORTABLE QUANTITIES (lbs):** N/A

**REGULATIONS:** WHMIS, SARA, state and province

**TPO (lb):** N/A

**HAZARDOUS WASTE:** N/A

## SECTION VIII - PRECAUTIONS FOR

### SAFE HANDLING AND USE

**VENTILATION:** Local Exhaust: Required

Special: N/A

Mechanical (general): Required

Other: N/A

**RESPIRATORY PROTECTION:** Use only with adequate ventilation.

If ventilation is inadequate, wear approved respiratory equipment.

**PROTECTIVE GLOVES:** wear rubber gloves

**EYE PROTECTION:** wear safety glasses, goggles, or face shield

**OTHER PROTECTIVE EQUIPMENT:** Wear suitable protective clothing

**IRRITATION:** Yes

**ESTIMATED LD50. MG/KG:** N/A

**ESTIMATED LC50:** N/A

**SENSITIZATION:** N/A

## SECTION IX - REGULATORY INFORMATION

- Keep out of reach of children.
- Always read label plus precautions and follow directions carefully.
- Avoid contact with eyes, skin and clothing.
- Wear suitable protective clothing, gloves and eye/face protection. DO NOT TAKE INTERNALLY.
- Keep containers closed when not in use.
- Use only in well ventilated areas.
- Do not breathe vapor or spray mist.
- Wash thoroughly after using.
- Additional Technical Data Sheets and/or MSDA are available upon request.