

\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*

This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this material. Please read the information on these sheets, and then provide this information to those people at your company whose responsibility it is to implement the "Workplace Hazardous Materials Information System (WHMIS)". Also make this information available to any employee who requests it.

Date of Preparation: 11/16/11

4210-000

**SECTION I PRODUCT IDENTIFICATION AND USE**

Manufacturer : **W. R. MEADOWS OF CANADA** - H M I S -  
Address : 70 Hannant Court |Health : 1  
: Milton, ON L9T 5C1 |Fire : 1  
 |Reactivity : 0  
Telephone # : (905) 878-4122 |Person Protection : |  
Emergency # : 1-800-424-9300 Chemtrec  
Product Class : DIVISION 32 (Hazard Rating: 0=Least,1=Slight,2=Moderate,3=High,4=Extreme,\*=Chronic)  
Product Identification Number: 4210-000  
Product Identifier : HI-SPEC®  
Product Use : Concrete Joint Sealant

**SECTION II HAZARDOUS INGREDIENTS**

| No. Ingredients*                        | CAS#       | % By   |      | ACGIH |            |             |          |      |
|---|------------|--------|------|-------|------------|-------------|----------|------|
|   |            | Weight | LD50 | LC50  | TLV/TWA    | TLV/CEILING | TLV/STEL | SKIN |
| 1. Petroleum Asphalt                    | 8052-42-4  | 50-55  | N/E  | N/E   | N/E        | 5 mg/m3*    | N/E      | N/E  |
| 2. Petroleum Lubricating Oil Base Stock | 64742-65-0 | 10-15  | NO   | N/E   | N/E        | N/E         | N/E      | N/E  |
| 3. Limestone                            | 1317-65-3  | 25-30  | NO   | N/E   | 10 mg/m3** | N/E         | N/E      | NO   |

\* A more complete disclosure will be provided to a physician or nurse in the event of a medical emergency.  
None of the components in this product are recognized as carcinogenic. N/A = Not Applicable  
Component data is defined in accordance with Sub-paragraph 13 (a) (i) to (iv) of the Hazardous Product Act.  
N/E = Not Established \* = Fumes \*\* = Total Dust

**SECTION III PHYSICAL DATA**

Physical State : Solid Vapour Density : >1 (air = 1)  
Specific Gravity : N/A Evaporation Rate : <1 (ether = 1)  
Odour/Appearance : Black Solid/mild organic odour Percent Volatile : N/A  
Vapour Pressure : N/A Freezing Point : N/A  
pH : N/A Boiling Point : N/E  
Odour Threshold : N/A  
Coefficient of water/oil distribution: N/A

**SECTION IV FIRE AND EXPLOSION DATA**

Conditions of Flammability: Stable Autoignition temperature: N/A  
Means of extinction: Use water, fog, foam, dry chemical, or Carbon Dioxide. Sensitivity to mechanical impact: N/A  
Flash point and method: 485 degrees F. Sensitivity to static discharge: N/A  
Clear fire area of unprotected personnel. Do not enter confined fire space without helmet, face shield, bunker coat, gloves, rubber boots, and a positive pressure NIOSH-approved, self-contained breathing apparatus. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structures.  
Flammability limits: LEL: N/A UEL: N/A  
Hazardous combustion products: Carbon Monoxide, Carbon Dioxide, and incomplete combustion products.

**SECTION V REACTIVITY DATA**

Chemical stability: Stable  
If no, under which conditions:  
Incompatibility (materials to avoid): Avoid strong oxidizing materials.  
Conditions of reactivity:  
Hazardous decomposition products: Oxides and compounds of Nitrogen, oxides, and compounds of Sulfur, Carbon Dioxide, Carbon Monoxide, and/or incomplete combustion products. Do not breathe smoke or fumes. Wear appropriate protective equipment.

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**SECTION VI TOXICOLOGICAL PROPERTIES**

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**Route(s) of entry:**

**Effect(s) of acute exposure to product:**

**EYE CONTACT:** Based on the presence of component 2 this product may cause slight eye irritation. Corneal injury is likely. Based on the presence of component 1 heated material will cause severe burns.

**SKIN CONTACT:** Exposure may cause mild skin irritation. Prolonged or repeated contact may cause redness, burning, and cracking of the skin. Persons with pre-existing skin disorders may be more susceptible to the effects of this material. Contact with heated material will cause severe burns.

**INHALATION:** Based on the presence of component 1 prolonged inhalation of vapors should be avoided because of potential chronic effects.

**INGESTION:** Single dose oral toxicity is low. Ingestion may cause irritation of the gastrointestinal tract and/or ulceration/burns in the throat and mouth. Based on the presence of component 2 ingestion may cause pulmonary injury.

**SIGNS AND SYMPTOMS:** 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.

**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing skin, eye, and respiratory disorders may be aggravated by exposure to this product.

**OTHER HEALTH EFFECTS:** From skin painting studies in laboratory animals, it has been concluded that some asphalts may possess weak carcinogenic activity. This means that workers who practice poor personal hygiene, and who are repeatedly exposed by direct skin contact with petroleum asphalt over many years, may potentially be at risk of developing skin cancer. Intermittent or occasional skin contact with petroleum asphalts is not expected to have serious health effects as long as good personal hygiene measures, such as those outlined in this material safety data sheet are followed. In addition, asphalt vapors may contain polycyclic aromatic hydrocarbons, some of which are known to be carcinogenic. Therefore, prolonged breathing of vapors should be avoided.

**Exposure limits:**

**Effect(s) of chronic exposure to product:**

**Carcinogenicity:** No

**Reproductive toxicity:** No

**Teratogenicity:** No

**Mutagenicity:** No

**Synergistic Properties:** No

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**SECTION VII PREVENTIVE MEASURES**

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**Personal protective equipment:** Use ventilation as required to control vapor concentrations--at least 10 air changes per hour are recommended for good general room ventilation. If exposure exceeds the PEL/TLV, use the appropriate NIOSH-approved respirator.

**Engineering controls:** Not Applicable.

**Leak and spill procedures:** Allow material to cool and solidify. Landfill dispose.

**Waste disposal:** Observe all Federal, State, and local regulations regarding proper disposal.

**Handling procedures/equipment:** Avoid direct contact with heated material.

**Storage requirements:** Store in cool, dry location.

**Special shipping information:** None.

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**SECTION VIII FIRST AID MEASURES**

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**EYE CONTACT:** If irritation or redness develops, move victim away from exposure source and into fresh air. Flush eyes with water for fifteen (15) minutes. If symptoms persist, seek medical attention. If contact with heated material occurs, seek immediate medical attention.

**SKIN CONTACT:** Wash with mild soap and water to remove condensed film. After contact with hot molten liquid, do not attempt to remove congealed solid; cool area with water and get medical attention. Do not use petroleum solvents to remove solid.

**INHALATION:** If respiratory symptoms develop, move victim away from exposure source and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

**INGESTION:** Dilute with liquid unless the victim is unconscious or very drowsy/. If vomiting spontaneously occurs, keep the victim's head below the hips to prevent aspiration into the lungs. Consult a physician, hospital or poison control center and/or transport to an emergency facility immediately.

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The information contained herein is based on the data available to us and is believed to be correct. However, we make no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injury from the use of the product described herein.

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**SECTION IX PREPARATION OF MSDS**

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Prepared by: David Carey

Phone Number: (847) 683-4500

Preparation Date: 11/16/11

Product Identification Number: 4210-000