

\*\*\* 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: 03/22/10

7200-725

**SECTION I PRODUCT IDENTIFICATION AND USE**

Manufacturer : **W. R. MEADOWS® OF CANADA**

**- H M I S -**

Address : 70 Hannant Court  
: Milton, Ontario L9T 5C1

|Health : 1

|Fire : 2

|Reactivity : 0

|Person Protection :

Telephone # : (905) 878-4122

Emergency # : 1-800-424-9300 Chemtrec

(Hazard Rating: 0=Least,1=Slight,2=Moderate,3=High,4=Extreme,\*=Chronic)

Product Class :

Product Identification Number: 7200-725

Product Identifier : **AIR-SHIELD™ LM (ALL SEASON)**

Product Use : Air Barrier

**SECTION II HAZARDOUS INGREDIENTS**

No. Hazardous Ingredient(s)*	CAS#	% By		ACGIH				
		Weight	LD50	LC50	TLV/TWA	TLV/Ceiling	TLV/STEL	SKIN
1. Xylene	1330-20-7	1-5	4300 mg/kg	5000 PPM/4H	100 PPM	N/E	150 PPM	No
2. Petroleum Asphalt	8052-42-4	30-35	N/E	N/E	5 mg/m3*	N/E	N/E	N/E
3. Aromatic Naphtha	64742-95-6	30-35	N/E	N/E	N/E	N/E	N/E	N/E
4. Petroleum Oil	64742-65-0	5-10	N/E	N/E	5 mg/m3*	N/E	5 mg/m3*	N/E

\* A more complete disclosure will be provided to a physician or nurse in the event of a medical emergency. None of the components of this product are recognized as carcinogenic.

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 : **Liquid**

Vapour Density : **>1 (Air=1)**

Specific Gravity : **1.04**

Evaporation Rate : **<1 (Ether=1)**

Odour/Appearance : **Black Liquid, Solvent Odor**

Percent Volatile : **35 (By Weight)**

Vapour Pressure : **Not Established**

Freezing Point : **Not Established**

pH : **Not Applicable**

Boiling Point : **137 degrees C (For Xylene)**

Odour Threshold : **Not Established**

Coefficient of water/oil distribution: **Not Established**

**SECTION IV FIRE AND EXPLOSION DATA**

Conditions of Flammability: **Ignition Sources**

Autoignition temperature: **Not Established**

Means of extinction: **Water Fog, foam, dry chemical, or Carbon Dioxide**

Sensitivity to mechanical impact: **No**

Flash point and method: **39 degrees (TCC)**

Sensitivity to static discharge: **No**

Flammability limits: **LEL: 1.1 UEL: 6.6**

Hazardous combustion products: **Carbon Dioxide, Carbon Monoxide, and incomplete combustion products.**

**SECTION V REACTIVITY DATA**

Chemical stability **Stable**

If no, under which conditions:

Incompatibility (materials to avoid): **Avoid strong oxidizing agents**

Conditions of reactivity: **None**

Hazardous decomposition products: **None Known**

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SECTION VI TOXICOLOGICAL PROPERTIES

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**Route(s) of entry:** Inhalation and skin contact

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

**EYE CONTACT:** This product is presumed to be moderately irritating to the eyes. Product vapors and/or mists may also be irritating to the eyes.

**SKIN CONTACT:** Exposure may cause mild skin irritation. Prolonged/repeated contact may cause redness, burning, drying, and cracking of the skin. Person's with pre-existing skin disorders may be more susceptible to the effects of this material. Prolonged/repeated contact with the skin may result in defatting/drying of the skin which may result in dermatitis.

**INHALATION:** Exposure to excessive vapor concentrations may cause signs of transient central nervous system depression (eg., headache, fatigue, drowsiness, and loss of coordination). Reports have associated repeated/prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful/fatal with the potential for chronic effects.

**INGESTION:** This product is presumed to be slightly toxic. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may result in severe lung damage. Ingestion of excessive quantities may also cause signs of transient central nervous system depression.

**SIGNS AND SYMPTOMS:** Symptoms of eye irritation include pain, tearing, reddening, and swelling. Symptoms of skin irritation include reddening, swelling, rash, and redness. 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; in extreme cases, unconsciousness and death may occur. Symptoms of chronic overexposure include loss of memory, loss of intellectual ability, and loss of coordination.

**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing skin, eye, and respiratory disorders may be aggravated by exposure to this product. Impaired central nervous system functions from pre-existing 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 be potentially be at risk of developing cancer. Intermittant 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 fumes should be avoided.

**Exposure limits:**

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

Carcinogenicity: No

Reproductive toxicity: No

Teratogenicity: No

Mutagenicity: No

Synergistic Properties: None Recognized

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SECTION VII PREVENTIVE MEASURES

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**Personal protective equipment:** Utilize safety glasses, goggles, and a face shield to prevent eye contact. Contact lenses should not be worn. Wear appropriate chemical resistant gloves/clothing to prevent skin contact. If air contaminant concentrations exceed the PEL/TLV, use an appropriate NIOSH approved respirator.

**Engineering controls:** Use ventilation as required to control vapor concentrations-at least 10 air changes per hour are recommended for good general room ventilation.

**Leak and spill procedures:** Large Spills: Evacuate the affected area of unprotected personnel. Wear appropriate personal protective equipment. Shut off source of spill if safe to do so. Dike and contain. Remove/extinguish ignition sources. If vapour cloud forms, water fog may be used to suppress. Contain any run-off generated. Recover spilled product and contaminated media and place in storage/salvage containers. Soak up residue with an absorbent such as clay, sand, or other suitable material. Place in non-leaking storage/salvage containers. Flush area with water to remove trace residue and containerize as indicated above. Small Spills: Take up with an absorbent material and place in labeled storage/salvage containers.

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

**Handling procedures/equipment:** Handle as a flammable product.

**Storage requirements:** Keep containers closed when not in use. Store in cool, dry area away from ignition sources.

**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 from exposure source and into fresh air. Flush eyes with water for fifteen minutes. If symptoms persist, seek medical attention.

**SKIN CONTACT:** Wash affected areas with mild soap and water. If symptoms persist, seek medical attention.

**INHALATION:** If respiratory symptoms develop, move victim 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:** Do not induce vomiting as this will cause additional damage to the digestive/respiratory tracts. Dilute by giving water or milk. 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: 03/22/10

Product Identification Number: 7200-725