

***** 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: 12/02/11

4230-000

SECTION I PRODUCT IDENTIFICATION AND USE

Manufacturer	: W. R. MEADOWS® OF CANADA	- H M I S -	
Address	: 70 Hannant Court	 Health	: 1
	: Milton, Ontario L9T 5C1	 Fire	: 3
		 Reactivity	: 0
Telephone #	: (905) 878-4122	 Person Protection	:
Emergency #	: 1-800-424-9300 Chemtrec		

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

Product Class : B2 - Flammable, D2B - Skin Irritation
 Product Identification Number: 4230-000
 Product Identifier : #158 COLD APPLIED RUBBER ASPHALT JOINT SEALER
 Product Use : Joint Sealer

SECTION II HAZARDOUS INGREDIENTS

No. Hazardous Ingredient(s)*	CAS#	% By			ACGIH			
		Weight	LD50	LC50	TL V/TWA	TLV/Ceiling	TLV/STEL	SKIN
1. Petroleum Asphalt	8052-42-4	35-40	N/E	N/E	5 mg/m3+	N/E	N/E	N/E
2. Petroleum Lubricating Oil Base Stock	64742-65-0	5-10	N/E	N/E	5 mg/m3*	N/E	10 mg/m3*	N/E
3. Limestone	1317-65-3	10-15	N/E	N/E	10 mg/m3**	N/E	N/E	N/E
4. Ground Rubber, Vulcanized	N/A	1-5	N/E	N/E	N/E	N/E	N/E	N/E
5. VM&P Naptha (Hydrocarbon blend)	64742-89-8	20-25	N/E	N/E	300 PPM	N/E	N/E	N/E
6. Xylene	1330-20-7	1-5	4300mg/kg+	500 PPM/4H+	100 PPM	N/E	150 PPM	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 N/A = Not Applicable + = RAT

SECTION III PHYSICAL DATA

Physical State	: Liquid	Vapour Density	: >1 (air = 1)
Specific Gravity	: 1.03	Evaporation Rate	: <1 (ether = 1)
Odour/Appearance	: Black liquid, Solvent odor	Percent Volatile	: 23.62
Vapour Pressure	: Not Established	Freezing Point	: Not Established
pH	: Not Applicable	Boiling Point	: 247 degrees F
Odour Threshold	: Not Established		

Coefficient of water/oil distribution: Not Established

SECTION IV FIRE AND EXPLOSION DATA

Conditions of Flammability: Exposure to ignition sources	Autoignition temperature: Not Established
Means of extinction: Use water fog, foam, dry chemical, or Carbon Dioxide.	Sensitivity to mechanical impact: No
Flash point and method: 53 degrees F	Sensitivity to static discharge: No
Flammability limits: LEL: N/E UEL: N/E	

Hazardous combustion products: Combustion may yield Carbon Dioxide, Carbon Monoxide, and/or incomplete combustion products; also, oxides of Nitrogen and Sulfur. Do not breathe smoke or fumes. Wear appropriate protective equipment.

SECTION V REACTIVITY DATA

Chemical stability Stable.
If no, under which conditions:
Incompatibility (materials to avoid): Avoid oxidizing materials and strong acids.
Conditions of reactivity: None recognized.
Hazardous decomposition products: Not Applicable.

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SECTION VI TOXICOLOGICAL PROPERTIES

Route(s) of entry: Skin, eyes, inhalation

Effect(s) of acute exposure to product:

EYE CONTACT: Based on the presence of components 5 and 6, 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 or repeated contact may cause redness, burning, drying, and cracking of the skin. Persons with pre-existing skin disorders may be more susceptible to the effects of this material. Based on the presence of components 1, 5, and 6, prolonged or repeated contact may result in defatting and drying of the skin, which may result in dermatitis.

INHALATION: Based on the presence of component 1, prolonged inhalation of vapors should be avoided because of potential chronic effects. Based on the presence of components 5 and 6, exposure to excessive vapor concentrations may cause signs of transient central nervous system depression (e.g., headache, drowsiness, loss of concentration, and fatigue). Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

INGESTION: Small amounts of the liquid aspirated into the lungs during ingestion or from vomiting may result in severe lung damage. While this material has a low degree of toxicity, ingestion of excessive quantities may cause signs of central nervous system depression (e.g., headache, fatigue, drowsiness, dizziness, and loss of coordination).

SIGNS AND SYMPTOMS: Symptoms of eye irritation include pain, tearing, reddening, and swelling. Symptoms of skin irritation include 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 may be evidenced by headache, dizziness, nausea, and symptoms of intoxication. Symptoms of chronic overexposure include loss of memory, intellectual ability, and 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 potentially be at risk of developing skin cancer. Intermittent or occasional skin contact with petroleum asphalt 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

SECTION VII PREVENTIVE MEASURES

Personal protective equipment: Wear safety glasses, goggles, or a splash shield to prevent eye contact. Contact lenses should not be worn. Wear appropriate gloves and protective clothing to prevent contact with skin and clothing.

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 hazard area of unprotected personnel. Remove/extinguish ignition sources. Wear appropriate respirator and protective clothing. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with a suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. SMALL SPILLS>>Take up with an absorbent material and place in non-leaking containers; seal lightly for proper disposal.

Waste disposal: Observe all federal, state, and local regulations regarding proper disposal.

Handling procedures/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.

Storage requirements: Keep containers closed when not in use. Store away from ignition sources.

Special shipping information: Handle as a flammable liquid.

SECTION VIII **FIRST AID MEASURES**

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.

SKIN CONTACT: Wash with mild soap and water to remove condensed oil film. 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: Do not induce vomiting. If vomiting spontaneously occurs, keep the victim's head below the hips to prevent aspiration into the lungs. Since aspiration into the lungs can cause very serious permanent damage, the decision of whether to induce vomiting or not should be made by a physician. Danger from lung aspiration must be weighed against toxicity when considering the stomach. Consult a physician, hospital, or poison control center and/or transport to an emergency facility immediately.

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.

SECTION IX **PREPARATION OF MSDS**

Prepared by: David Carey

Phone Number: (847) 683-4500

Preparation Date: 12/02/11

Product Identification Number: 4230-000