

*** 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: 01/28/10

7900-212 A

SECTION I PRODUCT IDENTIFICATION AND USE

Manufacturer : W. R. MEADOWS OF CANADA - H M I S -
Address : 70 Hannant Court |Health : 2
: Milton, Ontario L9T 5C1 |Fire : 1
|Reactivity : 1
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 : Class D, Division 2, Subdivision B, Very Toxic Materials
Product Identification Number: 7900-2121 A
Product Identifier : GARDOX - COMPONENT A
Product Use : Joint Sealant

SECTION II HAZARDOUS INGREDIENTS

Table with 10 columns: No. Hazardous Ingredient(s)*, CAS#, % By Weight, LD50, LC50, TLV/TWA, ACGIH TLV/Ceiling, TLV/STEL, SKIN. Rows include Polycyclic Aromatic Hydrocarbons, Urethane Prepolymer, Toluene Diisocyanate, Calcium Oxide, Naphthalene, and Anthracene.

* A more complete disclosure will be provided to a physician or nurse in the event of a medical emergency. Component 3 listed by the IARC as a carcinogenic material Group 2B. Component data is defined in accordance with Sub-paragraph 13 (a) (i) to (iv) of the Hazardous Product Act.

N/E = Not established N/A = Not applicable *:Rat

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, Pungent Odor Percent Volatile : Not Established (by weight)
Vapour Pressure : 0.02 mm Hg (For TDI) Freezing Point : <0 degrees C.
pH : Not Applicable Boiling Point : >200 C
Odour Threshold : Not Available
Coefficient of water/oil distribution: Not available

SECTION IV FIRE AND EXPLOSION DATA

Conditions of Flammability: Ignition sources Autoignition temperature: Not available
Means of extinction: Foam, CO2, Dry Chemical Sensitivity to mechanical impact: No
Flash point and method: > 95 Degrees C. Sensitivity to static discharge: No
Flammability limits: LEL: N/A UEL: N/A
Hazardous combustion products: Carbon Monoxide, Carbon Dioxide and incomplete compustion products.

SECTION V REACTIVITY DATA

Chemical stability Stable
If no, under which conditions:
Incompatibility (materials to avoid): Avoid oxidizing agents, strong acids, peroxides, and water contamination.
Conditions of reactivity: Contact with water
Hazardous decomposition products: Oxides and compounds of Nitrogen, Toluene Diisocyanate, and traces of Hydrogen Cyanide..

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SECTION VI TOXICOLOGICAL PROPERTIES

Route(s) of entry: Skin and eye contact

Effect(s) of acute exposure to product:

EYE CONTACT: Product vapours and/or mists may cause mild to moderate irritation.

SKIN CONTACT: Exposure may produce mild to moderate irritation. Prolonged exposures may result in defatting/drying of skin which may result in dermatitis.

INHALATION: Overexposure to vapours/mists may result in irritation to respiratory tract. Based on the presence of component 3 as a result of repeated overexposure or exposure to a single large dose, certain individuals may develop Isocyanate sensitization (chemical asthma) which will cause them to react to a later exposure to Isocyanate at levels below the TLV. Isocyanate sensitization may be either temporary or permanent. Once sensitized, an individual may experience these symptoms upon exposure to dust, cold air, or other irritants. This increased lung sensitivity can persist for weeks and in severe cases for several years. Once an individual is diagnosed as being sensitized to Isocyanate, no further exposure can be permitted. Chronic overexposure to Isocyanate has also been reported to cause lung damage (including decrease in lung function) which may be permanent. Acute overexposure to Isocyanates may lead to bronchitis, bronchial spasm, and pulmonary edema. These effects are usually reversible. Chemical or hypersensitive pneumonitis, with flu-like symptoms has also been reported. These symptoms can be delayed up to several hours after exposure.

INGESTION: Not an expected exposure route. Ingestion may result in mild to moderate irritation of the digestive tract.

SIGNS AND SYMPTOMS: Symptoms will vary from mild to moderate irritation based on the concentration of the material and the duration of the exposure. Based on the presence of component 3 lung sensitization results in asthma-like symptoms; check tightness, shortness of breath, wheezing, and coughing. These symptoms may be immediate or delayed up to several hours.

Exposure limits: See Section II

Effect(s) of chronic exposure to product: None Recognized.

Carcinogenicity: Yes

Reproductive toxicity: Not established

Teratogenicity: Yes, Component 6

Mutagenicity Not established

Synergistic Properties: None Known

SECTION VII PREVENTIVE MEASURES

Personal protective equipment: Wear safety glasses, goggles, or 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 vapour 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.

Leak and spill procedures: Evacuate and ventilate spill area, dike spill to prevent entry into water system, wear full protective equipment, including respiratory equipment, during cleanup. MAJOR SPILL>> If temporary control of vapour is required, a blanket of protein foam (available at most fire departments) may be placed over spill. Large quantities may be pumped into closed but not sealed containers for disposal. MINOR SPILLS>> Absorb with sawdust or other absorbent and shovel into open top containers. Do not make pressure light.

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

Handling procedures/equipment: Store in a dry area. All hazard precautions given on this MSDS must be observed in handling empty containers.

Storage requirements: Store in a cool dry area, away from sources of moisture. Keep containers closed when not in use.

Special shipping information: None

SECTION VIII FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with copious amounts of water for at least 15 minutes while holding eyelids open. Seek prompt medical attention.

SKIN CONTACT: Remove contaminated shoes and clothing. Cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention.

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 medical attention.

INGESTION: Dilute with two glasses of water unless victim is unconscious or very drowsy. Induce vomiting by giving two tablespoons of Ipecac or by touching a finger to the back of victim's throat. Keep victim's head below the hips to prevent aspiration into the lungs. Consult 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: 01/28/10

Product Identification Number: 7900-212 A