



# SAFETY DATA SHEET

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

<b>Product:</b>	<b>POURTHANE® NS</b>	<b>Part Number:</b>	<b>4541-000</b>
<b>Manufacturer:</b>	<b>W. R. MEADOWS OF CANADA</b>	<b>Address:</b>	70 Hannant Court Milton, Ontario Canada L9T 5C1
<b>Telephone:</b>	(905) 878-4122	In case of emergency, dial (800) 424-9300 (CHEMTREC)	
<b>Revision Date:</b>	1/25/2018		
<b>Product Use:</b>	Polyurethane Adhesive		

**SECTION 2: HAZARDS IDENTIFICATION/EXPOSURE LIMITS**

HMIS	HAZARD STATEMENTS								
<table border="0"> <tr><td>  Health  </td><td>  1  </td></tr> <tr><td>  Flammability  </td><td>  1  </td></tr> <tr><td>  Reactivity  </td><td>  1  </td></tr> <tr><td>  Personal Protection  </td><td>   </td></tr> </table>	Health	1	Flammability	1	Reactivity	1	Personal Protection		<p><b>WARNING!</b> Causes skin, eye, respiratory irritation. May cause an allergic skin/respiratory reaction. Harmful if inhaled. May cause damage to liver, kidneys, lungs, and blood.</p> <p><b>PRECAUTIONARY STATEMENTS</b> Avoid direct contact/breathing vapors. Wear appropriate personal protective equipment. Use only in well-ventilated areas.</p>
Health	1								
Flammability	1								
Reactivity	1								
Personal Protection									



**SECTION 3: HAZARDS COMPONENTS**

Chemical Name:	CAS Number	% by Weight	SARA 313	Vapor Pressure (mm Hg@20°C)	LEL (@25°C)
1. Diphenylmethane Diisocyanate	101-68-8	0-1	Yes	N/A	N/A
2. Xylene	1330-20-7	2-6	Yes	9 @20°	1

Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1966 (SARA) and 40 CFR Part 372, chemicals listed on the 313 List (40 CFR Part 373.65) are identified under the heading "SARA 313." *N/A: Not Applicable*

**SECTION 4: EMERGENCY AND FIRST AID PROCEDURES**

**EYE CONTACT:** Flush eyes with water for fifteen (15) minutes. Seek prompt medical attention. Materials containing isocyanate may react with moisture of the eye forming a thick material that may be difficult to wash from the eye.

**SKIN CONTACT:** Remove contaminated clothing. Wash affected area 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. Treat symptomatically. If symptoms persist, seek medical attention.

**INGESTION:** No adverse effects are anticipated by this route of exposure incidental to proper industrial handling.

**MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND CHRONIC:** See Section Eleven for Symptoms/Effects.

**SECTION 5: FIRE AND EXPLOSIVES HAZARDS**

**FLASHPOINT:** >175°C

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, or foam. If water is used, it should be applied in large quantity. The reaction between water and hot isocyanate may be vigorous.

**CHEMICAL/COMBUSTION HAZARDS:** Potentially cyanide containing compounds, carbon monoxide, carbon dioxide, and incomplete combustion products.

**PRECAUTIONS/PERSONAL PROTECTIVE EQUIPMENT:** Do not reseal contaminated containers as pressure build up may rupture them. Responders should utilize full bunker gear and a self-contained breathing apparatus.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**SPILL OR LEAK PROCEDURES:** Evacuate personnel as necessary. Absorb with sawdust or other absorbent and shovel into open top containers. Do not make pressure tight. Transport to a well ventilated area (outdoors) and treat with a neutralizing solution consisting of water and a 3-8% ammonium hydroxide solution or a 5-10% sodium carbonate solution. Add about ten parts of neutralizer per part of spill while mixing. Allow to stand forty eight hours allowing evolved carbon dioxide gas to escape.

**SECTION 7: HANDLING AND STORAGE**

**SAFE HANDLING PROCEDURES:** Avoid direct contact. Avoid sources of moisture contamination.

**SAFE STORAGE:** Store in cool, dry location. Keep containers closed when not in use. Protect from freezing. Store at temperatures between 10 to 24°C.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Chemical Name:	OSHA			SKIN	TWA	ACGIH		SKIN
	PEL	PEL/CEILING	PEL/STEL			TLV/CEILING	TLV/STEL	
1. Diphenylmethane Diisocyanate	0.02 ppm	N/E	N/E	No	0.005 ppm	N/E	N/E	No
2. Xylene	100 ppm	N/E	150 ppm	N/E	100 ppm	N/E	150 ppm	No

*N/E: Not Established*

**ENGINEERING CONTROLS:** Not required under normal use conditions

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses, chemical-resistant gloves.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING POINT:</b> Not Established	<b>VAPOR DENSITY:</b> Not Determined	<b>% VOLATILE BY VOLUME:</b> Not Determined
<b>EVAPORATION RATE:</b> <1 (ether = 1)	<b>pH LEVEL:</b> Not Applicable	<b>% VOLATILE BY WEIGHT:</b> Not Determined
<b>WEIGHT PER GALLON:</b> 9.75	<b>PRODUCT APPEARANCE:</b> Heavy paste	<b>VOC CONTENT:</b> 102 g/L
<b>ODOR:</b> Mild Organic	<b>ODOR THRESHOLD:</b> N/D	<b>MELTING/FREEZING POINT:</b> N/D
<b>FLASH POINT:</b> See Section 5	<b>FLAMMABILITY:</b> N/D	<b>UEL/LEL:</b> N/D
<b>VAPOR PRESSURE:</b> N/D	<b>RELATIVE DENSITY:</b> N/D	<b>SOLUBILITY:</b> N/D
<b>PARTITION COEFFICIENT:</b> N/D	<b>AUTOIGNITION TEMPERATURE:</b> N/D	<b>DECOMPOSITION TEMPERATURE:</b> N/D
<b>VISCOSITY:</b> N/D		<i>N/D: Not Determined</i>

## SECTION 10: STABILITY/REACTIVITY

**STABILITY:** Stable.

**HAZARDOUS POLYMERIZATION:** May occur.

**CONDITIONS AND MATERIALS TO AVOID:** Oxidizing agents, strong acids/alkalies, alcohols, amines, metal compounds, and surface active materials. Avoid water as it reacts to form heat, carbon dioxide, and insoluble urea.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, incomplete combustion products, and potentially cyanide containing compounds

## SECTION 11: TOXICOLOGICAL INFORMATION

**EYE CONTACT:** Direct contact or exposure to vapors may cause mild to moderate eye irritation. Corneal injury is unlikely.

**SKIN CONTACT:** Direct contact may result in mild to moderate irritation. Prolonged contact may result in skin irritation. Sensitization reactions are possible.

**INHALATION:** Exposure may produce irritation to the nose, throat, respiratory tract, and mucous membranes. After repeated overexposures or exposure to a single large dose, certain individuals may develop isocyanate sensitization (chemical asthma) that will cause them to react to a later exposure to isocyanate at levels below the TLV. Isocyanate sensitization may be 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 decreased lung function) which may be permanent. Acute overexposure to isocyanate may also lead to bronchitis, bronchial spasm, and pulmonary edema. These effects are usually reversible. Chemical or hypersensitive pneumonitis with flu-like symptoms have also been reported. These symptoms can be delayed for up to several hours.

**INGESTION:** Single dose oral toxicity is low. Ingestion may cause irritation of the gastrointestinal tract. No hazards are anticipated from ingestion incidental to industrial exposure.

**SIGNS AND SYMPTOMS:** Symptoms of eye irritation include pain, tearing, redness, 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. Lung sensitization results in asthma-like symptoms; chest tightness, shortness of breath, wheezing, and coughing. These symptoms may be immediate or delayed for up to several hours.

**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing skin, eye, and respiratory disorders may be aggravated by product exposure. Persons with asthmatic-type conditions, chronic bronchitis, or other chronic respiratory diseases, recurrent skin eczema, sensitization, or allergies should be excluded from working with isocyanates.

**OTHER HEALTH EFFECTS:** None recognized.

## SECTION 12: ECOLOGICAL INFORMATION

<b>ECOTOXICITY:</b> N/E	<b>DEGRADABILITY:</b> N/E	<b>BIOACCUMULATIVE POTENTIAL:</b> N/E
<b>SOIL MOBILITY:</b> N/E	<b>OTHER ADVERSE EFFECTS:</b> N/E	

## SECTION 13: WASTE DISPOSAL INFORMATION

**WASTE DISPOSAL INFORMATION:** Unreacted material requires disposal via a hazardous waste facility. Completely solid (polymerized) product would be classified as a non-hazardous waste.

## SECTION 14: TRANSPORTATION INFORMATION

**HAZARDOUS/NON-HAZARDOUS MATERIAL:** Not regulated by domestic ground shipments.

**UN NUMBER:** None.      **HAZARD CLASS:** None.      **PACKING GROUP:** None.

**UN PROPER SHIPPING NAME:** None.

**ENVIRONMENTAL HAZARDS:** None recognized.

**BULK TRANSPORTATION INFORMATION:** Not applicable. Product is not shipped in bulk.

**SPECIAL PRECAUTIONS:** None.

## SECTION 15: REGULATORY INFORMATION

**OTHER REGULATORY CONSIDERATIONS:** None.

## SECTION 16: OTHER INFORMATION

**PREPARATION DATE:** 1/25/2018  
**PREPARED BY:** Dave Carey

*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 this product described herein.*