SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product:	**HYDRALASTIC 836 SL**	**Part Number:**	**6505005**
Manufacturer:	**W. R. MEADOWS, INC.**	**Address:**	300 Industrial Drive Hampshire, Illinois 60140
Telephone:	(847) 214-2100	In case of emergency, dial (800) 424-9300 (CHEMTREC)	
Revision Date:	8/31/2022		
Product Use:	Waterproofing Membrane		

SECTION 2: HAZARDS IDENTIFICATION/EXPOSURE LIMITS

HMIS	
|Health|	| 2 |
|Flammability|	| 1 |
|Reactivity|	| 1 |
|Personal Protection|	| |

HAZARD STATEMENTS

DANGER!

Causes skin irritation. **(Category 2)**

May cause an allergic skin reaction. **(Category 1)**

Harmful if inhaled. **(Category 4)**

May cause allergy or asthma symptoms or breathing difficulties if inhaled. **(Category 1)**

PRECAUTIONARY STATEMENTS

Avoid direct contact/breathing vapors.

Wear appropriate personal protective equipment.

Use only in well-ventilated areas.

SECTION 3: HAZARDOUS COMPONENTS

Chemical Name:	CAS Number	% by Weight	SARA 313	Vapor Pressure (mm Hg@20°C)	LEL (@25°C)
1. Polyuerthane Prepolymer	9040-80-6	20-36	No	N/A	N/A
2. Mineral Oil, Petroleum Extracts	64742-03-6	14-26	No	N/A	N/A
3. Carbon Black	1333-86-4	1-5	No	N/A	N/A
4. Quartz	14808-60-7	<1	No	N/A	N/A
5. Toluene 2,6-Diisocyanate *	91-08-7	<1	Yes	N/A	N/A

** Contains Trace amounts of Toluene 2,4-Diisocyanate CAS# 584-84-9.* *N/A: Not Applicable*

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."

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: Do Not induce vomiting. Seek immediate medical attention. If vomiting occurs, keep victims head below hips to prevent lung aspiration.

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

SECTION 5: FIRE AND EXPLOSIVES HAZARDS

FLASHPOINT: 400 °F

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.

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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 50 and 95 degrees Fahrenheit.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

	OSHA				ACGIH			
Chemical Name:	**PEL**	**PEL/CEILING**	**PEL/STEL**	**SKIN**	**TWA**	**TLV/CEILING**	**TLV/STEL**	**SKIN**
1. Polyurethane prepolymer	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
2.Mineral Oil, Petroleum Extracts	500 ppm	N/E	N/E	N/E	N/E	N/E	N/E	N/E
3. Carbon Black*	N/A	N/E	N/E	N/E	N/A	N/E	N/E	N/E
4. Quartz *	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5. Toluene 2,6 Diisocyanate	5 mg/m^3	N/E	N/E	N/E	0.005 ppm	N/E	N/E	N/E

**: In solution, not expected to be an exposure route.* *N/E: Not Established*

ENGINEERING CONTROLS: Not required under normal use conditions

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses, chemical-resistant gloves (Neoprene, Nitrile)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/E
VAPOR DENSITY: N/D
% VOLATILE BY VOLUME: N/D
EVAPORATION RATE: <1 (ether = 1)
pH LEVEL: N/A
% VOLATILE BY WEIGHT: N/D
WEIGHT PER GALLON: 9.96
PRODUCT APPEARANCE: Black Liquid
VOC CONTENT: 47 g/L
ODOR: Mild Organic
ODOR THRESHOLD: N/D
MELTING/FREEZING POINT: N/D
FLASH POINT: See Section 5
FLAMMABILITY: N/D
UEL/LEL: N/D
VAPOR PRESSURE: N/D
RELATIVE DENSITY: N/D
SOLUBILITY: N/D
PARTITION COEFFICENT: N/D
AUTOIGNITION TEMPERATURE: N/D
DECOMPOSITION TEMPERATURE: N/D
VISCOSITY: N/D

N/A = Not Applicable *N/D = Not Determined* *N/E = Not Established*

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.

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Section 11 continued

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, 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: Quartz, Carbon Black, and Toluene 2,6, Diisocyanate are recognized as carcinogens by IARC, NTP, and OSHA. Because this product is a solution dust exposures are not anticipated for Quartz and Carbon Black under normal use conditions.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: N/E **DEGRADABILITY:** N/E **BIOACCUMULATIVE POTENTIAL:** N/E

SOIL MOBILITY: N/E **OTHER ADVERSE EFFECTS:** N/E *N/E: Not Established*

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: 8/31/2022

PREPARED BY: Dave Carey