

SECTION 1 • IDENTIFICATION OF SUBSTANCE:

- Product Details
- Trade Name: DC12176 ShowerSeal® Polyurethane Sealant
- Article Number: 12176
- Manufacture/Supplier:
KBRS, Inc. 8406 Speedway Blvd. Hardeeville, SC 29927
- Information Department: KBRS Safety Manager
- Emergency Information: KBRS, Inc. 1-866-912-3211

SECTION 2 • COMPOSITION/DATA ON COMPONENTS:

- Chemical Characterization
- Description: Mixture of the substance listed below with nonhazardous additions

• Dangerous Components:		
1330-20-7	Xylene	3.5 %
101-68-8	4, 4' - methylenediphenyl diisocyanate	0.6 %

- Additional Information: For the wording of the listed risk phrases refer to section 15.

SECTION 3 • HAZARDS IDENTIFICATION:

- Hazard Description: Harmful
- Information pertaining to particular dangers for man & environment: May cause sensitization by inhalation. Harmful by inhalation, in contact with skin & if swallowed. Contains isocyanate. See information supplied by manufacturer.
- Classification System: The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- NFPA Ratings (Scale 0 - 4): (HEALTH = 1) (FIRE = 2) (REACTIVITY = 1)
- HMIS - Ratings (Scale 0 - 4): (HEALTH = 1) (FIRE = 2) (REACTIVITY = 1)

SECTION 4 • FIRST AID MEASURES:

- After Inhalation: Overexposure, remove to fresh air and seek medical attention.
- After Skin Contact: Wash contaminated skin with soap and water.
- After Eye Contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After Swallowing: Seek medical treatment.

SECTION 5 • FIRE FIGHTING MEASURES:

- Suitable Extinguishing Agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Protective Equipment: Wear self-containing respiratory protective device.

SECTION 6 • ACCIDENTAL RELEASE MEASURES:

- Person-Related Safety Precautions: Keep away from ignition sources.
- Measures for Environmental Protection: Do not allow substance to enter sewers/surface or ground water.
- Measures for Cleaning/Collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste in accordance with federal state local regulations. Ensure adequate ventilation.

SECTION 7 • HANDLING & STORAGE:

HANDLING

- Information for Safe Handling: ensure good ventilation/exhaustion at the workplace.
- Information about Protection Against Explosions & Fires: Keep ignition sources away - do not smoke.

STORAGE

- Requirements to be met by Storerooms & Receptacles: Store in cool location away from direct heat.
- Information about Storage in one Common Storage Facility: Not required.
- Further Information about Storage Conditions: None.

SECTION 8 • EXPOSURE CONTROLS & PERSONAL PROTECTION:

- Additional Information about Design of Technical Systems: No further data; see section 7.

Components with Limit Values that Require Monitoring at the Workplace:		
1330-20-7	Xylene	
PEL	435 mg/m ³ , 100 PPM	
REL	Short-term Value: 655 mg/m ³ , 150 PPM Long-term Value: 435 mg/m ³ , 100 PPM (o-, m-, & p-isomers)	
TLV	Short-term Value: 651 mg/m ³ , 150 PPM Long-term Value: 434 mg/m ³ , 100 PPM BEI	
101-68-8 4,4'	- methylenediphenyl diisocyanate	
PEL	Short-term Value: C 0.2 mg/m ³ , C 0.02 PPM	
REL	Short-term Value: C 0.2* mg/m ³ , C 0.02* PPM Long-term Value: 0.05 mg/m ³ , 0.005 PPM *10 minutes	
TLV	0.051 mg/m ³ , 0.005 PPM	

- Additional Information: The lists that were valid during the creation were used as basis.
- Personal Protective Equipment (PPE) - See Listings Below
- General Protective & Hygienic Measures: Keep away from foodstuffs, beverages & feed. Wash hands thoroughly before breaks & at end of each working shift(s).
- Breathing Equipment: In the absence of adequate ventilation.
- Protection of Hands: Protective gloves.
- Eye Protection: Safety glasses with side shields.
- Body Protection: Protective work clothing.

SECTION 9 • PHYSICAL & CHEMICAL PROPERTIES:

• General Information:	
• Form:	Viscous Paste
• Color:	Grey
• Odor:	Characteristic
• Change in Condition:	
• Melting Point:	Undetermined
• Boiling Point:	Undetermined
• Flash Point:	58° C (136° F)
• Auto Igniting:	Product is Not Self-igniting
• Danger of Explosion:	Product Does Not Present an Explosive Hazard
• Specific Gravity:	1.170
• Solubility in / Miscibility with Water:	Not Miscible or Difficult to Mix
• Segregation Coefficient (n-octonal/water):	N/D
• Solvent Content:	
• Organic Solvents:	3.5%
• Solids Content:	
• Additional Information:	VOC = 74 g/l WEIGHT PER GALLON = 9.74 lbs./gal

SECTION 10 • STABILITY & REACTIVITY:

- Thermal Decomposition / Conditions to be Avoided: No decomposition if used according to specifications.
- Dangerous Reactions: No dangerous reactions known.
- Dangerous Products of Decomposition: Oxides of carbon & nitrogen. Isocyanate.
- Additional Information: AVOID EXPOSURE TO AIR OR MOISTURE UNTIL READY TO USE.

SECTION 11 • TOXICOLOGICAL INFORMATION:

- Acute Toxicity:
- LD/LC50 Values that are Relevant for Classification: 101-68-8 4, 4' - methylenediphenyl diisocyanate
{Oral - LD50 - 2200 mg/kg (mouse)}
- Primary Irritant Effect:
- On the Skin: Irritant to skin and mucous membranes.
- On the Eye(s): Irritating effect.
- Sensitization: Sensitization possible through inhalation.
- Additional Toxicological Information: The product shows the following dangers according to internally approved calculation methods for preparations: Harmful.

SECTION 12 • ECOLOGICAL INFORMATION:

- General Notes: Water hazard class 1 (Self-Assessment): Slightly Hazardous for Water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13 • DISPOSAL CONSIDERATIONS:

- Product:
Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned Packagings:
Recommendation: Disposal must be made according to official regulations.

SECTION 14 • TRANSPORT INFORMATION:

- DOT Regulations:
- Hazard Class: Not regulated.

SECTION 15 • REGULATIONS:

- Section 355 (extremely hazardous substances): None of the ingredients listed.
- Section 313 (specific toxic chemical listings): Substance is listed.

1330-20-7	xylene
101-68-8	4, 4' - methylenediphenyl
- TSCA (Toxic Substances Control Act): All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements.
- Proposition 65
- Chemicals Known to Cause Cancer: None of the ingredients are listed.
- Chemicals Known to Cause Reproductive Toxicity: None of the ingredients are listed.
- (DSL) Canada Domestic Substance List: All components of this product are on the DSL (Canada Domestic Substance List) or are exempt from DSL requirements.
- Cancerous Categories:

• EPA (Environmental Protection Agency)	
1330-20-7	xylene
101-68-8	4, 4' - methylenediphenyl diisocyanate
• IARC (International Agency for Research on Cancer)	
1330-20-7	xylene
101-68-8	4, 4' - methylenediphenyl diisocyanate
• NTP (National Toxicology Program): None of the ingredients are listed.	
• TLV (Threshold Limit Value Established by ACGIH)	
1330-20-7	xylene
• MAK (German Maximum Workplace Concentration)	
101-68-8	4, 4' - methylenediphenyl diisocyanate
• NIOSH-Ca (National Institute for Occupational Safety & Health): None of the ingredients are listed.	
• OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients are listed.	

SECTION 15 • REGULATIONS (CONTINUED):

- Product Related Hazard Information: The product has been classified and marked in accordance with directives on hazardous materials. • Hazard Determining Components of Labeling: 4, 4' - methylenediphenyl
- Risk Phases: Slight irritant; may cause sensitization by inhalation; harmful by inhalation, in contact with skin and if swallowed.
 - Special Labeling of Certain Preparations: Contains isocyanates; see information supplied by the manufacturer.

SECTION 16 • OTHER INFORMATION:

Although the information and recommendations set forth in this MSDS are presented in good faith and are believed to be correct as of the date of this MSDS; KBRS, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will KBRS, Inc. or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the MSDS.