



**SAFETY DATA SHEET
SPRAY POLYURETHANE FOAM SPF**

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: TRP-SPF
Product Name: Quik-Shield A
Company Name: SWD URETHANE
539 S. Drew St.
Mesa, AZ 85210,
Web site address: www.swdurethane.com
Emergency Contact: CHEMTREC
(800) 424-9300

2. HAZARDS IDENTIFICATION

Acute Toxicity: Oral, Category 5
Skin Corrosion/Irritation, Category 2
Skin Sensitization, Category 1
Serious Eye Damage/Eye Irritation, Category 2B
Acute Toxicity: Inhalation, Category 4
Respiratory Sensitization, Category 1
Carcinogenicity, Category 2
Aquatic Toxicity (Acute), Category 2



GHS Signal Word: **Danger**

GHS Hazard Phrases: H303 - May be harmful if swallowed.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H320 - Causes eye irritation.
H332 - Harmful if inhaled.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H351 - Suspected of causing cancer .
H401 - Toxic to aquatic life.

GHS Precaution Phrases: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P284 - Wear respiratory protection .
P285 - In case of inadequate ventilation wear respiratory protection.

GHS Response Phrases: P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P341 - If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+313 - IF exposed or concerned: Get medical attention/advice.
P332+313 - If skin irritation occurs, get medical advice/attention.



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P337+313 - If eye irritation persists, get medical advice/attention.
 P342+311 - If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.
 P362 - Take off contaminated clothing and wash before re-use.
 P405 - Store locked up.

GHS Storage and Disposal Phrases:

Potential Health Effects (Acute and Chronic):

Inhalation: Causes respiratory tract irritation.
Skin Contact: May be harmful if absorbed through the skin. Causes skin irritation.
Eye Contact: Causes eye irritation.
Ingestion: May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
101-68-8	Methylenebis(phenylisocyanate) {MBI; Methylene diphenyl diisocyanate; MDI; Diphenylmethane-4,4'-diisocyanate}	30.0 -60.0 %
NA	MDI, mixed isomers	30.0 -60.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation: If breathed in, move person into fresh air. If not breathing give artificial respiration.

In Case of Skin Contact: Wash off with soap and plenty of water. Consult a physician.

In Case of Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

In Case of Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Signs and Symptoms Of Exposure: Cough, Shortness of breath, Headache. Nausea. Vomiting, Pulmonary edema. Effects may be delayed.

Note to Physician: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

5. FIRE FIGHTING MEASURES

Flash Pt: > 150.00 C Method Used: Closed Cup

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: NA

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

Fire Fighting Instructions: Wear self contained breathing apparatus for fire fighting if necessary.

Flammable Properties and Hazards: No data available.



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6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:

Personal precautions.
Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.
Environmental precautions.
Do not let product enter drains.

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Precautions To Be Taken in Storing: Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 15 - 38 deg.C. Store under inert gas. Moisture sensitive.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
101-68-8	Methylenebis(phenylisocyanate) {MBI; Methylene diphenyl diisocyanate; MDI; Diphenylmethane-4,4'-diisocyanate}	CEIL: 0.02 ppm	TLV: 0.005 ppm	No data.
NA	MDI, mixed isomers	No data.	No data.	No data.

Respiratory Equipment (Specify Type): Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye Protection: Face shield and safety glasses.

Protective Gloves: Handle with gloves.

Other Protective Clothing: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Engineering Controls (Ventilation etc.): No data available.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Slightly. Musty.
Melting Point:	42.00 C - 45.00 C
Boiling Point:	200.00 C
Autoignition Pt:	NA
Flash Pt:	> 150.00 C Method Used: Closed Cup
Explosive Limits:	LEL: No data. UEL: No data.
Specific Gravity (Water = 1):	No data.
Density:	1.18 G/CM3
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Evaporation Rate:	No data.
Solubility in Water:	No data.
Percent Volatile:	No data.

10. STABILITY AND REACTIVITY

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Contact with moisture, other materials that react with isocyanates, or temperatures above 350 °F (177 °C), may cause polymerization.
Incompatibility - Materials To Avoid:	Water. Amines, Strong bases, Alcohols.
Hazardous Decomposition or Byproducts:	formed under fire conditions. Carbon oxides, nitrogen oxides (NOx).
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information:	No data available.
Irritation or Corrosion:	Serious eye damage/eye irritation: Eyes - rabbit - Moderate eye irritation.
Carcinogenicity/Other Information:	Carcinogenicity. This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. Limited evidence of carcinogenicity in animal studies. IARC: Group 3: Not classifiable as to its carcinogenicity to humans 3. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.



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CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
101-68-8	Methylenebis(phenylisocyanate) {MBI; Methylene diphenyl diisocyanate; MDI; Diphenylmethane-4,4'-diisocyanate}	n.a.	3	n.a.	n.a.
NA	MDI, mixed isomers	n.a.	3	n.a.	n.a.

12. ECOLOGICAL INFORMATION

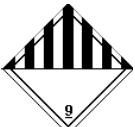
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:	<p>Product.</p> <p>Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.</p> <p>Contaminated packaging. Dispose of as unused product.</p>
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14. TRANSPORT INFORMATION

GHS Classification:	<p>Acute Toxicity: Oral, Category 5 - Warning! May be harmful if swallowed</p> <p>Skin Corrosion/Irritation, Category 2 - Warning! Causes skin irritation</p> <p>Skin Sensitization, Category 1 - Warning! May cause an allergic skin reaction</p> <p>Serious Eye Damage/Eye Irritation, Category 2B - Warning! Causes eye irritation</p> <p>Acute Toxicity: Inhalation, Category 4 - Warning! Harmful if inhaled</p> <p>Respiratory Sensitization, Category 1 - Danger! May cause allergy or asthma symptoms or breathing difficulties if inhaled</p> <p>Carcinogenicity, Category 2 - Warning! Suspected of causing cancer</p> <p>Aquatic Toxicity (Acute), Category 2 - Toxic to aquatic life</p>
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LAND TRANSPORT (US DOT):	
DOT Proper Shipping Name:	Other regulated substances, Liquid, N.O.S. (Methylene Diphenyl Diisocyanate)
DOT Hazard Class:	9 CLASS 9
UN/NA Number:	NA3082
Packing Group:	III
	

LAND TRANSPORT (Canadian TDG):	
TDG Shipping Name:	Not Regulated.
UN Number:	3082
Hazard Class:	9 - CLASS 9
Packing Group:	III
TDG Classification:	

MARINE TRANSPORT (IMDG/IMO):	
IMDG/IMO Shipping Name:	Not Regulated.



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AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated.

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
101-68-8	Methylenebis(phenylisocyanate) {MBI; Methylene diphenyl diisocyanate; MDI; Diphenylmethane-4,4'-diisocyanate}	No	Yes 5000 LB	Yes-Cat. N120
NA	MDI, mixed isomers	No	No	Yes-Cat. N120

CAS # Hazardous Components (Chemical Name)

Other US EPA or State Lists

101-68-8	Methylenebis(phenylisocyanate) {MBI; Methylene diphenyl diisocyanate; MDI; Diphenylmethane-4,4'-diisocyanate}	CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory, 8C; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: No; MI CMR, Part 5: Part 5; NC TAP: Yes; NJ EHS: Yes - 1253; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes
NA	MDI, mixed isomers	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8C, 8D TERM; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No

CAS # Hazardous Components (Chemical Name)

International Regulatory Lists

101-68-8	Methylenebis(phenylisocyanate) {MBI; Methylene diphenyl diisocyanate; MDI; Diphenylmethane-4,4'-diisocyanate}	Canadian DSL: Yes; Canadian NDSL: No
NA	MDI, mixed isomers	Canadian DSL: Yes; Canadian NDSL: No

Regulatory Information: This product contains chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372.

CAS# 101-68-8, Methylene diphenyl diisocyanate, MDI: 30 - 60%

CAS# n/a, MDI, mixed isomers: 30 - 60%

16. OTHER INFORMATION

Revision Date: 04/28/2015

Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

While the information and recommendations in this publication are given to the best of our knowledge, and information at the date of publication, nothing herein is to be construed as a warranty, expressed or otherwise. In all cases, it is the responsibility of the user to determine the applicability of such information, and recommendations or the suitability of any product for its own particular purpose.

The product may present hazards and should be used with caution. While certain hazards are described in this Safety Data Sheet, no guarantee is made that these are the only hazards that exist. Hazards, toxicity and behavior of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behavior should be determined by the user and made known to handlers, processors and end users.



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