



## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** QS A  
**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**



**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.  
 P337+313 - If eye irritation persists, get medical advice/attention.



# SAFETY DATA SHEET

## Quik-Shield A

<b>GHS Storage and Disposal Phrases:</b>	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.
<b>Inhalation:</b>	Causes respiratory tract irritation.
<b>Skin Contact:</b>	May be harmful if absorbed through the skin. Causes skin irritation.
<b>Eye Contact:</b>	Causes eye irritation.
<b>Ingestion:</b>	May be harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Ingredients/Components	Concentration
9016-87-9	Polymeric diphenylmethane diisocyanate {Isocyanic acid, Poly	0.0 -100.0 %

### 4. FIRST AID MEASURES

<b>Emergency and First Aid Procedures:</b>	
<b>In Case of Inhalation:</b>	If breathed in, move person into fresh air. If not breathing give artificial respiration.
<b>In Case of Skin Contact:</b>	Wash off with soap and plenty of water. Consult a physician.
<b>In Case of Eye Contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>In Case of Ingestion:</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>Signs and Symptoms Of Exposure:</b>	Cough, Shortness of breath, Headache. Nausea. Vomiting, Pulmonary edema. Effects may be delayed.
<b>Note to Physician:</b>	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

### 5. FIRE FIGHTING MEASURES

<b>Flash Pt:</b>	> 150.00 C	Method Used: Closed Cup
<b>Explosive Limits:</b>	LEL:	UEL:
<b>Autoignition Pt:</b>	NA	
<b>Suitable Extinguishing Media:</b>	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.	
<b>Fire Fighting Instructions:</b>	Wear self contained breathing apparatus for fire fighting if necessary.	
<b>Flammable Properties and Hazards:</b>		
<b>Hazardous Combustion Products:</b>		

### 6. ACCIDENTAL RELEASE MEASURES

<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	<p>Personal precautions. Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Environmental precautions. Do not let product enter drains.</p> <p>Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.</p>
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### 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
9016-87-9	Polymeric diphenylmethane diisocyanate {Isocyanic acid, Poly			
<b>Respiratory Equipment (Specify Type):</b>	When the product is sprayed or heated without adequate ventilation, an approved MSHA/NIOSH positive-pressure, supplied air respirator may be required. Air purifying respirators equipped with organic vapor cartridges and HEPA (P100) particulate filter may be used under certain conditions when the cartridge change-out schedule has been developed in accordance with the OSHA respiratory protection standard (29 CFR 1910.134).			
<b>Eye Protection:</b>	Face shield and safety glasses.			
<b>Protective Gloves:</b>	Handle with gloves.			
<b>Other Protective Clothing:</b>	Choose body protection according to the amount and concentration of the dangerous substance at the work place.			
<b>Engineering Controls (Ventilation etc.):</b>				
<b>Work/Hygienic/Maintenance Practices:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.			

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical States:** [ ] Gas [ X ] Liquid [ ] Solid

**Appearance and Odor:** Slightly. Musty.

**pH:**

**Melting Point:** 42.00 C - 45.00 C

**Boiling Point:** 200.00 C

**Flash Pt:** > 150.00 C Method Used: Closed Cup

**Evaporation Rate:**

**Flammability (solid, gas):**

**Explosive Limits:** LEL: UEL:

**Vapor Pressure (vs. Air or mm Hg):** 1

**Vapor Density (vs. Air = 1):**

**Specific Gravity (Water = 1):**

**Density:** 1.18 G/CM3

**Solubility in Water:**



**Octanol/Water Partition**

**Coefficient:**

**Autoignition Pt:** NA

**Decomposition Temperature:**

**Viscosity:**

**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:**

**11. TOXICOLOGICAL INFORMATION**

**Toxicological Information:** CAS# 9016-87-9:  
Not reported., LC50, Not reported., Rat, 490.0 MG/M3.  
Results:  
Behavioral: Somnolence (general depressed activity).  
Behavioral: Convulsions or effect on seizure threshold.  
- National Technical Information Service, Vol/p/yr: OTS05, 6728

Not reported., LD50, Dermal, Rat, 490.0 MG/L.  
Results:  
Behavioral: Somnolence (general depressed activity).  
Behavioral: Convulsions or effect on seizure threshold.

Not reported., LC50, Not reported., Rat, 490.0 MG/M3.  
Results:  
Kidney, Ureter, Bladder:Renal function tests depressed.  
Blood:Other changes.

**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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## Quik-Shield A

CAS #	Ingredients/Components	NTP	IARC	ACGIH	OSHA
9016-87-9	Polymeric diphenylmethane diisocyanate (Isocyanic acid, Poly		3		

### 12. ECOLOGICAL INFORMATION

<b>Persistence and Degradability:</b>	No data available.
<b>Bioaccumulative Potential:</b>	No data available.
<b>Mobility in Soil:</b>	No data available.

### 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method:</b>	Product. 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.  Contaminated packaging. Dispose of as unused product.
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### 14. TRANSPORT INFORMATION

<b>Additional Transport Information:</b>	Not regulated except when shipped in bulk. Bulk containers (>9 000 lbs) must be transported as: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Methylene Diphenyl Diisocyanate), Class 9, UN3082, PG III, RQ.
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#### LAND TRANSPORT (US DOT):

<b>DOT Proper Shipping Name:</b>	Other regulated substances, Liquid, N.O.S. (Methylene Diphenyl Diisocyanate)		
<b>DOT Hazard Class:</b>	9	CLASS 9	
<b>UN/NA Number:</b>	NA3082	<b>Packing Group:</b>	III



#### LAND TRANSPORT (Canadian TDG):

<b>TDG Shipping Name:</b>	Not Regulated.		
<b>UN Number:</b>	3082	<b>Packing Group:</b>	III
<b>Hazard Class:</b>	9 - CLASS 9	<b>TDG Classification:</b>	

#### MARINE TRANSPORT (IMDG/IMO):

**IMDG/IMO Shipping Name:** Not Regulated.

#### AIR TRANSPORT (ICAO/IATA):

**ICAO/IATA Shipping Name:** Not Regulated.



15. REGULATORY INFORMATION

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

CAS #	Ingredients/Components	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
9016-87-9	Polymeric diphenylmethane diisocyanate {Isocyanic acid, Poly	No	No	Yes-Cat. N120

CAS #	Ingredients/Components	Other US EPA or State Lists
9016-87-9	Polymeric diphenylmethane diisocyanate {Isocyanic acid, Poly	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 - Cat.; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No

CAS #	Ingredients/Components	International Regulatory Lists
9016-87-9	Polymeric diphenylmethane diisocyanate {Isocyanic acid, Poly	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.

Incipient fire responders should wear eye protection. Firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

Incipient fire responders should wear eye protection. Firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

16. OTHER INFORMATION

**Revision Date:** 12/12/2018

**Additional Information About 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.

NO PERSON OR ORGANIZATION EXCEPT A DULY AUTHORIZED SWD EMPLOYEE SHALL PROVIDE, OR MAKE AVAILABLE, DATA SHEETS FOR SWD PRODUCTS. DATA SHEETS FROM UNAUTHORIZED SOURCES MAY CONTAIN INFORMATION



# SAFETY DATA SHEET

## Quik-Shield A

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