



# SAFETY DATA SHEET

## Quik-Shield 951 A

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** QS 951 A  
**Product Name:** Quik-Shield 951 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 2A**  
**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.  
H319 - Causes serious 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.  
P261 - Avoid breathing 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.  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.



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	P332+313 - If skin irritation occurs, get medical advice/attention.
	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.
<b>GHS Storage and Disposal Phrases:</b>	P405 - Store locked up.
<b>Potential Health Effects (Acute and Chronic):</b>	
<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 #	Hazardous Components (Chemical Name)	Concentration
101-68-8	Methylenebis(phenylisocyanate) {MBI; Methylene diphenyl diisocyanate; MDI; Diphenylmethane-4,4'-diisocyanate}	30.0 -60.0 %
NA	Modified MDI	13.0 -30.0 %
NA	MDI prepolymers	13.0 -30.0 %

### 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:** 230.00 C Method Used: Unknown

**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.

**Hazards:**



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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. 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	Modified MDI	No data.	No data.	No data.
NA	MDI prepolymers	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

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid
<b>Appearance and Odor:</b>	amber. Musty.
<b>Melting Point:</b>	42.00 C - 45.00 C
<b>Boiling Point:</b>	200.00 C
<b>Autoignition Pt:</b>	NA
<b>Flash Pt:</b>	230.00 C Method Used: Unknown
<b>Explosive Limits:</b>	LEL: No data. UEL: No data.
<b>Specific Gravity (Water = 1):</b>	No data.
<b>Density:</b>	1.18 G/CM3
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.
<b>Vapor Density (vs. Air = 1):</b>	No data.
<b>Evaporation Rate:</b>	No data.
<b>Solubility in Water:</b>	No data.
<b>Percent Volatile:</b>	No data.

### 10. STABILITY AND REACTIVITY

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

### 11. TOXICOLOGICAL INFORMATION

<b>Toxicological Information:</b>	No data available.
<b>Irritation or Corrosion:</b>	Serious eye damage/eye irritation: Eyes - rabbit - Moderate eye irritation.
<b>Carcinogenicity/Other Information:</b>	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	Modified MDI	n.a.	n.a.	n.a.	n.a.
NA	MDI prepolymers	n.a.	n.a.	n.a.	n.a.

### 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

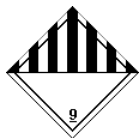
<b>Waste Disposal Method:</b>	<p>Product.</p> <p>Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with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

<b>GHS Classification:</b>	<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 2A - Warning! Causes serious 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 **Packing Group:** III  
**Hazard Class:** 9 - CLASS 9 **TDG Classification:**



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**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 #	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	Modified MDI	No	No	Yes-Cat. N106
NA	MDI prepolymers	No	No	No

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	Modified MDI	CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC; MA Oil/HazMat: No; MI CMR, Part 5: Part 5; NC TAP: Yes - Cat.; NJ EHS: Yes - Cat.; NY Part 597: No; PA HSL: No; SC TAP: Yes - Cat.; WI Air: No
NA	MDI prepolymers	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; 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	Modified MDI	Canadian DSL: Yes; Canadian NDSL: No
NA	MDI prepolymers	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, Modified MDI: 0 - 30%

CAS# n/a, MDI, mixed isomers: 0 - 30%



## 16. OTHER INFORMATION

**Revision Date:** 04/27/2015

**Additional Information About This Product:** 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.

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 THAT IS NO LONGER CURRENT OR ACCURATE. NO PART OF THIS DATA SHEET MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM, OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF SWD. ALL REQUESTS FOR PERMISSION TO REPRODUCE MATERIAL FROM THIS DATA SHEET OR QUESTIONS REGARDING THIS DATA SHEET SHOULD BE DIRECTED TO SWD AT 800-828-1394.



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### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** QS 951 B  
**Product Name:** Quik-Shield 951 B  
**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 1A-1C**



**GHS Signal Word:** Danger

**GHS Hazard Phrases:** H303 - May be harmful if swallowed.  
H314 - Causes severe skin burns and eye damage.

**GHS Precaution Phrases:** P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**GHS Response Phrases:** P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+340 - IF INHALED: Remove victim 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.  
P310 - Immediately call a POISON CENTER or doctor/physician.  
P363 - Wash contaminated clothing before reuse.

**GHS Storage and Disposal Phrases:** P405 - Store locked up.

**Potential Health Effects (Acute and Chronic):**

**Inhalation:** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Acute inhalation toxicity was evaluated in guinea pigs exposed to triethylenediamine at a measured concentration of 8.9 ppm for a period of 1 hour. Clinical observations included slight dyspnea and somewhat elevated airway resistance. (Olin Corp. May cause burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.

**Skin Contact:** Causes skin irritation. May be harmful if absorbed through the skin. Passage of diethylene glycol into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use. Causes skin burns. May cause skin irritation. When a solution of 10% TEDA in water was applied to the skin of 5 mice for 2 weeks, 2 of the mice died from bleeding in the prostate gland. Two other mice also had bleeding of the prostate gland but did not die. There was no sign of skin damage.

**Eye Contact:** Causes eye irritation. Causes eye burns. Risk of serious damage to eyes. A single





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exposure to TEDA vapor can cause slight swelling of the front part of the eye (cornea). This may result in a "halo" vision effect beginning up to several hours after exposure. Symptoms include hazy, foggy and sometimes blurry vision, and seeing blue halos around lights. Recovery usually occurs within a day. It is not certain what levels of TEDA vapor cause this effect. Minor corneal injury occurred when 0.5 ml of a solution of 5% TEDA in water was applied to rabbit eyes. A 15% solution caused moderate injury, and a 25% solution burned the eyes. Causes redness and pain.

**Ingestion:**

Harmful if swallowed. May cause irritation of the digestive tract. Ingestion of amounts may cause gastrointestinal irritation. Toxic if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
NA	Glycol ether	10.0 -20.0 %
NA	Polyether diamine	10.0 -20.0 %
NA	( Trade Secret )	5.0 -15.0 %
NA	Amine catalyst	< 2.0 %
NA	Tin catalyst	< 1.0 %

### 4. FIRST AID MEASURES

**Emergency and First Aid**

**Procedures:**

**In Case of Inhalation:**

Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In Case of Skin Contact:**

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician. Get medical aid if irritation develops or persists. Wash clothing before reuse.

**In Case of Eye Contact:**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital. If irritation develops, get medical aid.

**In Case of Ingestion:**

Do NOT induce vomiting. Get medical aid immediately. Call a poison control center. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Get medical aid. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**Signs and Symptoms Of Exposure:**

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Cough, Shortness of breath, Headache. Nausea.

**Note to Physician:**

Treat symptomatically and supportively. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.



### 5. FIRE FIGHTING MEASURES

**Flash Pt:** No data.

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

**Autoignition Pt:** No data.

**Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam. Use agent most appropriate to extinguish fire.

**Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Wear self contained breathing apparatus for fire fighting if necessary. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Will burn if involved in a fire. Flammable Solid.

**Flammable Properties and Hazards:** No data available.

### 6. ACCIDENTAL RELEASE MEASURES

**Steps To Be Taken In Case Material Is Released Or Spilled:** Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Do not let this chemical enter the environment. Personal precautions.

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions.

Do not let product enter drains.

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Remove all sources of ignition. Use a spark-proof tool.

### 7. HANDLING AND STORAGE

**Precautions To Be Taken in Handling:** Use with adequate ventilation. Do not ingest or inhale. Avoid inhalation of vapor or mist. Normal measures for preventive fire protection. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use spark-proof tools and explosion proof equipment. Keep away from heat, sparks and flame. Do not breathe dust, mist, or vapor. Use only in a chemical fume hood.

**Precautions To Be Taken in Storing:** Store in a cool, dry place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from sources of ignition. Refrigerator/flammables.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
NA	Glycol ether	No data.	No data.	No data.
NA	Polyether diamine	No data.	No data.	No data.
NA	( Trade Secret )	No data.	No data.	No data.
NA	Amine catalyst	No data.	No data.	No data.
NA	Tin catalyst	No data.	No data.	No data.



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<b>Respiratory Equipment (Specify Type):</b>	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.
<b>Eye Protection:</b>	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Not available.
<b>Protective Gloves:</b>	Wear appropriate protective gloves to prevent skin exposure. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
<b>Other Protective Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure. Complete suit protecting against chemicals.
<b>Engineering Controls (Ventilation etc.):</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
<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

<b>Physical States:</b>	[ ] Gas    [ X ] Liquid    [ ] Solid	
<b>Appearance and Odor:</b>	Viscous. Musty.	
<b>Melting Point:</b>	No data.	
<b>Boiling Point:</b>	No data.	
<b>Flash Pt:</b>	No data.	
<b>Evaporation Rate:</b>	No data.	
<b>Flammability (solid, gas):</b>	No data available.	
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.	
<b>Vapor Density (vs. Air = 1):</b>	No data.	
<b>Specific Gravity (Water = 1):</b>	No data.	
<b>Solubility in Water:</b>	No data.	
<b>Percent Volatile:</b>	No data.	
<b>Autoignition Pt:</b>	No data.	



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### 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Unstable [ ]    Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	Incompatible materials, Excessive heat, ignition sources, dust generation.
<b>Incompatibility - Materials To Avoid:</b>	Strong oxidizing agents, Strong acids, Plastics, Zinc, acids, Peroxides.
<b>Hazardous Decomposition or Byproducts:</b>	Carbon monoxide, formed under fire conditions. Carbon oxides, nitrogen oxides (NOx), irritating and toxic fumes and gases, Carbon dioxide, nitrogen oxides (NOx) and ammonia (NH3).
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ]    Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.

### 11. TOXICOLOGICAL INFORMATION

<b>Toxicological Information:</b>	Epidemiology: Tumorigenic effects have been reported in experimental animals. Teratogenicity: Teratogenic effects have occurred in experimental animals. Reproductive Effects: Adverse reproductive effects have occurred in experimental animals. Mutagenicity: No information found. Neurotoxicity: Neurotoxic effects have occurred in experimental animals. Other Studies: No information available. TEDA may cause neurological effects as indicated by transient experimental effects on blood pressure in dogs. No data available.
<b>Irritation or Corrosion:</b>	Skin - rabbit - Corrosive. Serious eye damage/eye irritation: Eyes - rabbit - Severe eye irritation.
<b>Carcinogenicity/Other Information:</b>	CAS# 111-46-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65. Carcinogenicity. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. 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. CAS# 8001-79-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 280-57-9: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 77-58-7: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
NA	Glycol ether	n.a.	n.a.	n.a.	n.a.
NA	Polyether diamine	n.a.	n.a.	n.a.	n.a.
NA	( Trade Secret )	n.a.	n.a.	n.a.	n.a.
NA	Amine catalyst	n.a.	n.a.	n.a.	n.a.
NA	Tin catalyst	n.a.	n.a.	n.a.	n.a.



**12. ECOLOGICAL INFORMATION**

**General Ecological Information:** Environmental: Estimated Koc value = 1. It will not be expected to adsorb to suspended solids and sediments in water.  
Physical: No information found.  
Other: Estimated BCF value = 0.05. This value indicates that this product will exhibit low bioconcentration in aquatic organisms. No information available.  
Physical: No information available.  
Other: Do not empty into drains. Other: Avoid entering into waters or underground water.

**Persistence and Degradability:** Biodegradability:

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. RCRA P-Series: None listed.  
RCRA U-Series: None listed. Product.  
Offer surplus and non-recyclable solutions to a licensed disposal company. 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.

**14. TRANSPORT INFORMATION**

**GHS Classification:** Acute Toxicity: Oral, Category 5 - Warning! May be harmful if swallowed  
Skin Corrosion/Irritation, Category 1A-1C - Danger! Causes severe skin burns and eye damage

**LAND TRANSPORT (US DOT):**  
DOT Proper Shipping Name: Not Regulated.  
DOT Hazard Class:  
UN/NA Number:

**LAND TRANSPORT (Canadian TDG):**  
TDG Shipping Name: Not Regulated.  
UN Number:  
Hazard Class: **TDG Classification:**

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

**AIR TRANSPORT (ICAO/IATA):**  
ICAO/IATA Shipping Name: Not Regulated.



# SAFETY DATA SHEET

## Quik-Shield 951 B

### 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)
NA	Glycol ether	No	No	No
NA	Polyether diamine	No	No	No
NA	( Trade Secret )	No	No	No
NA	Amine catalyst	No	No	No
NA	Tin catalyst	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
NA	Glycol ether	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No
NA	Polyether diamine	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
NA	( Trade Secret )	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
NA	Amine catalyst	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
NA	Tin catalyst	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
NA	Glycol ether	Canadian DSL: Yes; Canadian NDSL: No
NA	Polyether diamine	Canadian DSL: Yes; Canadian NDSL: No
NA	( Trade Secret )	Canadian DSL: Yes; Canadian NDSL: No
NA	Amine catalyst	Canadian DSL: Yes; Canadian NDSL: No
NA	Tin catalyst	Canadian DSL: Yes; Canadian NDSL: No

**Regulatory Information:** This product contains no chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 40 CFR part 372.



## 16. OTHER INFORMATION

**Revision Date:** 05/04/2015

**Additional Information About This Product:** 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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