



SAFETY DATA SHEET

Quik Shield 931 B

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: QS 931 B
Product Name: Quik Shield 931 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 4
Skin Corrosion/Irritation, Category 1A-1C
Serious Eye Damage/Eye Irritation, Category 2A
Specific Target Organ Toxicity (single exposure), Category 3



GHS Signal Word: Danger

GHS Hazard Phrases: H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.

GHS Precaution Phrases: P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases: P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P337+313 - If eye irritation persists, get medical advice/attention.
P363 - Wash contaminated clothing before reuse.

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

Emergency Overview:



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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. May cause respiratory tract irritation. Inhalation of high concentrations may cause narcotic effects.
Skin Contact:	May be harmful if absorbed through the skin. Causes skin burns. May cause skin irritation.
Eye Contact:	Causes eye burns. May cause eye irritation.
Ingestion:	May be harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause kidney damage.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	<20.0 %
110-63-4	1,4-Butanediol	<20.0 %
68479-98-1	Diethyl toluene diamine	<20.0 %
8001-79-4	Castor oil {Phorbyol}	< 5.0 %
2855-13-2	Isophoronediamine	< 5.0 %

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. Consult a physician. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid.
In Case of Skin Contact:	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. Flush skin with plenty of soap and water. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
In Case of Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital. Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. If irritation develops, get medical aid.
In Case of Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid.
Signs and Symptoms Of Exposure:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Note to Physician:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. Treat symptomatically and supportively.



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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 alcohol-resistant foam. Water or foam may cause frothing. Solid streams of water or high volume water jet may spread fire. Use agent most appropriate to extinguish fire.	
Fire Fighting Instructions:	Wear self contained breathing apparatus for fire fighting if necessary. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.	
Flammable Properties and Hazards:	No data available.	

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:	<p>Personal precautions. Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.</p> <p>Environmental precautions. Do not let product enter drains.</p> <p>Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Use proper personal protective equipment as indicated in Section 8.</p> <p>Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition.</p>
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7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:	<p>Avoid inhalation of vapor or mist.</p> <p>Normal measures for preventive fire protection. Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.</p>
Precautions To Be Taken in Storing:	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. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep from contact with oxidizing materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl))	No data.	No data.	No data.
110-63-4	1,4-Butanediol	No data.	No data.	No data.
68479-98-1	Diethyl toluene diamine	No data.	No data.	No data.
8001-79-4	Castor oil {Phorbyol}	No data.	No data.	No data.
2855-13-2	Isophoronediamine	No data.	No data.	No data.



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Respiratory Equipment (Specify Type):	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.
Eye Protection:	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). 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.
Protective Gloves:	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. Wear appropriate protective gloves to prevent skin exposure.
Other Protective Clothing:	Complete suit protecting against chemicals. Wear appropriate protective clothing to prevent skin exposure.
Engineering Controls (Ventilation etc.):	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.
Work/Hygienic/Maintenance Practices:	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:	amber. Musty.	
Melting Point:	No data.	
Boiling Point:	No data.	
Autoignition Pt:	No data.	
Flash Pt:	No data.	
Explosive Limits:	LEL: No data.	UEL: No data.
Specific Gravity (Water = 1):	No data.	
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:	No data available. Incompatible materials, ignition sources.
Incompatibility - Materials To Avoid:	Strong oxidizing agents, acids, Reducing agents, Nitric acid, Sulfuric acid, Hydrogen peroxide, Acid anhydrides.
Hazardous Decomposition or Byproducts:	formed under fire conditions. Carbon oxides, nitrogen oxides (NOx), Carbon monoxide, irritating and toxic fumes and gases.
Possibility of Hazardous	Will occur [] Will not occur [X]



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Reactions:**Conditions To Avoid -** No data available.**Hazardous Reactions:****11. TOXICOLOGICAL INFORMATION**

Toxicological Information: Epidemiology: No information found.
 Teratogenicity: No information available. Reproductive Effects: Mutagenicity:
 Neurotoxicity: No information available.
 Other Studies:

Irritation or Corrosion: Skin - rabbit - Corrosive.
 Serious eye damage/eye irritation:
 Eyes - rabbit - Severe eye irritation.

Carcinogenicity/Other Information: 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# 110-63-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 8001-79-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	n.a.	n.a.	n.a.	n.a.
110-63-4	1,4-Butanediol	n.a.	n.a.	n.a.	n.a.
68479-98-1	Diethyl toluene diamine	n.a.	n.a.	n.a.	n.a.
8001-79-4	Castor oil {Phorbyol}	n.a.	n.a.	n.a.	n.a.
2855-13-2	Isophoronediamine	n.a.	n.a.	n.a.	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information: Environmental: Degradation studies: 98.7% COD, 40 mg COD/g dry inoculum/hr with substance as sole carbon source. Biodegradable. [The Dictionary of Substances and their Effects, 1992]

Persistence and Degradability: Biodegradability:

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: 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. 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. Additionally, waste



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generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
 RCRA P-Series: None listed.
 RCRA U-Series: None listed.

14. TRANSPORT INFORMATION

GHS Classification: Acute Toxicity: Oral, Category 4 - Warning! Harmful if swallowed
 Skin Corrosion/Irritation, Category 1A-1C - Danger! Causes severe skin burns and eye damage
 Serious Eye Damage/Eye Irritation, Category 2A - Warning! Causes serious eye irritation
 Specific Target Organ Toxicity (single exposure), Category 3 - Warning! May cause respiratory irritation, or may cause drowsiness and dizziness

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.

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)
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	No	No	No
110-63-4	1,4-Butanediol	No	No	No
68479-98-1	Diethyl toluene diamine	No	No	No
8001-79-4	Castor oil {Phorbyol}	No	No	No
2855-13-2	Isophoronediamine	No	No	No

CAS #	Hazardous Components (Chemical Name)	Canadian NPRI	Canadian IDL	Canadian DSL
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	No	No	Yes
110-63-4	1,4-Butanediol	No	No	Yes
68479-98-1	Diethyl toluene diamine	No	No	Yes
8001-79-4	Castor oil {Phorbyol}	No	Yes	Yes
2855-13-2	Isophoronediamine	No	Yes	Yes

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	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
110-63-4	1,4-Butanediol	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



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68479-98-1	Diethyl toluene diamine	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; 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
8001-79-4	Castor oil {Phorbyol}	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
2855-13-2	Isophoronediamine	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: Yes - 1067; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	
110-63-4	1,4-Butanediol	
68479-98-1	Diethyl toluene diamine	
8001-79-4	Castor oil {Phorbyol}	
2855-13-2	Isophoronediamine	

Canadian WHMIS Classification:



CLASS D, DIVISION 2, SUBDIVISION B: Toxic Materials (Mutagenicity, skin sensitization, irritation, etc.)

16. OTHER INFORMATION

Revision Date: 04/30/2015

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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