



SAFETY DATA SHEET

Quik-Shield 125 B

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: QS 125 B
Product Name: Quik-Shield 125 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
Acute Toxicity: Skin, Category 5
Skin Corrosion/Irritation, Category 3
Serious Eye Damage/Eye Irritation, Category 2B
Aquatic Toxicity (Acute), Category 3



GHS Signal Word: Warning

GHS Hazard Phrases: H302 - Harmful if swallowed.
H313 - May be harmful in contact with skin.
H316 - Causes mild skin irritation.
H320 - Causes eye irritation.
H402 - Harmful to aquatic life.

GHS Precaution Phrases: P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.

GHS Response Phrases: No phrases apply.

GHS Storage and Disposal Phrases: No phrases apply.

Potential Health Effects (Acute and Chronic):

Inhalation: Causes respiratory tract irritation. Harmful if inhaled. May cause narcotic effects in high concentration. May cause lung damage. May cause anemia. May cause central nervous system effects such as nausea and headache.

Skin Contact: Causes skin irritation. Harmful if absorbed through the skin. Substance is rapidly absorbed through the skin. Causes symptoms similar to those of inhalation. A skin notation is not recommended by ACGIH, based on estimates from physiologically based pharmacokinetic models which indicate that, even in worst-case dermal-exposure scenarios, 2-butoxyethanol is not absorbed in amounts sufficient to cause red blood cell hemolysis in humans.

Eye Contact: Causes eye irritation. Causes eye irritation. Causes redness and pain. Contact with eyes may cause severe irritation, and possible eye burns. Lachrymator (substance which increases the flow of tears).

Ingestion: Harmful if swallowed. May cause irritation of the digestive tract. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause burns to the digestive tract.



3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
NA	Halogenated Phosphate	10.0 -20.0 %
460-73-1	1,1,1,3,3-Pentafluoropropane {HFC-245fa}	5.0 -10.0 %
NA	Glycol ether	< 5.0 %
NA	Amine catalyst	< 3.0 %

4. FIRST AID MEASURES

Emergency and First Aid

Procedures:

In Case of Inhalation: If breathed in, move person into fresh air. Get medical aid immediately. Remove from exposure and move to fresh air immediately. 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 not breathing, give artificial respiration.

In Case of Skin Contact: Wash off with soap and plenty of water. Consult a physician. Get medical aid immediately. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid. Wash clothing before reuse. Destroy contaminated shoes.

In Case of Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately. Do NOT allow victim to rub eyes or keep eyes closed. Extensive irrigation with water is required (at least 30 minutes).

In Case of Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Do NOT induce vomiting. Get medical aid immediately. Call a poison control center.

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.

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. Do NOT get water inside containers. For large fires, use water spray, fog, or alcohol-resistant foam.

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. Will burn if involved in a fire. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Containers may explode in the heat of a fire. Flammable liquid and vapor. Vapors may be heavier than air.

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 breathing vapors, mist or gas. Ensure adequate ventilation.
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. 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. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Remove all sources of ignition. Use a spark-proof tool. Do not let this chemical enter the environment. Do not flush into a sewer. Do not get water inside containers.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Avoid inhalation of vapor or mist.
Normal measures for preventive fire protection. Use spark-proof tools and explosion proof equipment. Do not get in eyes, on skin, or on clothing. Keep away from heat, sparks and flame. Do not ingest or inhale. Use only in a chemical fume hood. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.
Ground and bond containers when transferring material. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation.

Precautions To Be Taken in Storing: Keep container tightly closed in a dry and well-ventilated place. Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area. Store protected from light.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
NA	Halogenated Phosphate	No data.	No data.	No data.
460-73-1	1,1,1,3,3-Pentafluoropropane {HFC-245fa}	No data.	No data.	No data.
NA	Glycol ether	PEL: 50 ppm	TLV: 20 ppm	No data.
NA	Amine catalyst	No data.	No data.	No data.

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: Face shield and safety glasses. 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. Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing: Choose body protection according to the amount and concentration of the dangerous



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	substance at the work place. Wear appropriate protective clothing to prevent skin exposure.
Engineering Controls (Ventilation etc.):	Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
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:	Viscous. 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.	
Incompatibility - Materials To Avoid:	Incompatible materials, ignition sources.	
Hazardous Decomposition or Byproducts:	Strong oxidizing agents, Strong bases, Aluminum, Copper, Copper alloys, Zinc, acids.	
Possibility of Hazardous Reactions:	formed under fire conditions. Carbon oxides, Phosphorous oxides, Hydrogen chloride gas, Thermal decomposition 244 °C Carbon monoxide, Nitrogen oxides, Carbon dioxide.	
Conditions To Avoid - Hazardous Reactions:	Will occur []	Will not occur [X]
	No data available.	



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11. TOXICOLOGICAL INFORMATION

Toxicological Information: Epidemiology: No information found.
 Teratogenicity: No information available. Mutagenicity: Neurotoxicity: No information available.
 Other Studies:
 CAS# NA:
 Acute toxicity, LD50, Oral, Rat, 3600. MG/KG.
 Results:
 Behavioral: Somnolence (general depressed activity).
 Behavioral: Tremor.
 Lungs, Thorax, or Respiration: Other changes.
 - National Technical Information Service, Vol/p/yr: OTS05, 7713

Acute toxicity, LD50, Intravenous, Mouse, 56.00 MG/KG.
 Results:
 Behavioral: Food intake (animal).
 Nutritional and Gross Metabolic: Weight loss or decreased weight gain.
 - U.S. Army Armament Research & Development Command, Chemical Systems Laboratory, NIOSH Exchange Chemicals., Aberdeen Proving Ground., Aberdeen Proving Ground, MD 21010, Vol/p/yr: NX#, 5768

Skin corrosion/irritation, Skin sensitization, Skin, Rabbit, 0.000 , Mild.
 Results:
 Sense Organs and Special Senses (Nose, Eye, Ear, and Taste): Eye: Lacrimation.
 Behavioral: Tremor.
 Lungs, Thorax, or Respiration: Cyanosis.

Irritation or Corrosion: Skin - rabbit - Mild skin irritation - 24 h.
 Serious eye damage/eye irritation:
 Eyes - rabbit - Mild 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# 111-76-2: ACGIH: A3
 - Confirmed animal carcinogen with unknown relevance to humans.
 California: Not listed.
 NTP: Not listed.
 IARC: Not listed. CAS# 108-01-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
NA	Halogenated Phosphate	n.a.	n.a.	n.a.	n.a.
460-73-1	1,1,1,3,3-Pentafluoropropane {HFC-245fa}	n.a.	n.a.	n.a.	n.a.
NA	Glycol ether	n.a.	3	A3	n.a.
NA	Amine catalyst	n.a.	n.a.	n.a.	n.a.



12. ECOLOGICAL INFORMATION

General Ecological Information:	Environmental: TERRESTRIAL FATE: Based on a recommended classification scheme, an estimated Koc value of 67,, determined from an experimental log Kow and a recommended regression-derived equation, indicates that ethylene glycol mono-n-butyl ether is expected to have high mobility in soil. An estimated BCF value of 2.5 was calculated for ethylene glycol mono-n-butyl ether, using an experimental log Kow of 0.83 and a recommended regression-derived equation. According to a recommended classification scheme, this BCF value suggests that bioconcentration in aquatic organisms is low. Physical: No information found. Other: An estimated BCF value of 2.5,, from an experimental log Kow, suggests that ethylene glycol mono-n-butyl ether bioconcentration in aquatic organisms will be low, according to a recommended classification scheme.
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:	Product. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. 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. RCRA P-Series: None listed. RCRA U-Series: None listed.
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14. TRANSPORT INFORMATION

GHS Classification:	Acute Toxicity: Oral, Category 4 - Warning! Harmful if swallowed Acute Toxicity: Skin, Category 5 - Warning! May be harmful in contact with skin Skin Corrosion/Irritation, Category 3 - Warning! Causes mild skin irritation Serious Eye Damage/Eye Irritation, Category 2B - Warning! Causes eye irritation Aquatic Toxicity (Acute), Category 3 - Harmful to aquatic life
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.



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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	Halogenated Phosphate	No	No	No
460-73-1	1,1,1,3,3-Pentafluoropropane {HFC-245fa}	No	No	No
NA	Glycol ether	No	No	Yes-Cat. N230
NA	Amine catalyst	No	No	No

CAS # Hazardous Components (Chemical Name)

Other US EPA or State Lists

NA	Halogenated Phosphate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 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: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
460-73-1	1,1,1,3,3-Pentafluoropropane {HFC-245fa}	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	Glycol ether	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: Yes - Cat.; NJ EHS: Yes; NY Part 597: No; PA HSL: Yes - 1; SC TAP: Yes - Cat.; WI Air: Yes
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: Yes; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No

CAS # Hazardous Components (Chemical Name)

International Regulatory Lists

NA	Halogenated Phosphate	Canadian DSL: Yes; Canadian NDSL: No
460-73-1	1,1,1,3,3-Pentafluoropropane {HFC-245fa}	Canadian DSL: Yes; Canadian NDSL: No
NA	Glycol ether	Canadian DSL: Yes; Canadian NDSL: No
NA	Amine catalyst	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# n/a, Glycol Ether: <5.0%



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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