



SAFETY DATA SHEET

Quik-Shield 2000

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: QS 2000
Product Name: Quik-Shield 2000
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

Flammable Liquids, Category 2
Serious Eye Damage/Eye Irritation, Category 2A
Specific Target Organ Toxicity (single exposure), Category 3
Skin Corrosion/Irritation, Category 3



GHS Signal Word: Danger

GHS Hazard Phrases: H225 - Highly flammable liquid and vapor.
H316 - Causes mild skin irritation.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.

GHS Precaution Phrases: P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 - Keep container tightly closed.
P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
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.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P235 - Keep cool.

GHS Response Phrases: 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.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P332+313 - If skin irritation occurs, get medical advice/attention.
P337+313 - If eye irritation persists, get medical advice/attention.
P370+378 - In case of fire, use dry sand, dry chemical or alcohol-resistant foam to extinguish.

GHS Storage and Disposal Phrases: P403+233 - Store container tightly closed in well-ventilated place.
P405 - Store locked up.
P501 - Dispose of contents/container to an approved waste disposal plant.



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Potential Health Effects (Acute and Chronic): The toxicological properties of this material have not been fully investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
67-64-1	Acetone {2-Propanone}	>=90.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures: Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

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

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: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Note to Physician: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Flash Pt: -17.00 C Method Used: Setaflash Closed Cup (Rapid Setaflash)

Explosive Limits: LEL: 2%(V) UEL: 13%(V)

Autoignition Pt: 465.00 C

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. Use water spray to cool unopened containers.

Flammable Properties and Hazards: No data available.

Hazardous Combustion Products: Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures: Use proper personal protective equipment as indicated in Section 8. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Steps To Be Taken In Case Material Is Released Or Spilled: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

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.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
67-64-1	Acetone {2-Propanone}	PEL: 1000 ppm	TLV: 500 ppm STEL: 750 ppm	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).		
Eye Protection:		Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).		
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.		
Other Protective Clothing:		Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.		
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.		
Environmental Exposure Controls:		Prevent further leakage or spillage if safe to do so. Do not let product enter drains.		

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Black. acetone-like.
Melting Point:	-94.00 C
Boiling Point:	56.00 C
Flash Pt:	-17.00 C Method Used: Setaflash Closed Cup (Rapid Setaflash)
Evaporation Rate:	No data.
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: 2%(V) UEL: 13%(V)
Vapor Pressure (vs. Air or mm Hg):	400 MM_HG at 39.5 C
Vapor Density (vs. Air = 1):	No data.
Specific Gravity (Water = 1):	No data.
Density:	0.791 G/ML at 25.0 C
Solubility in Water:	No data.
Solubility Notes:	Completely miscible.
Percent Volatile:	>= 90.0 % by weight.
Autoignition Pt:	465.00 C



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10. STABILITY AND REACTIVITY

Reactivity:	Vapors may form explosive mixture with air.
Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Heat, flames and sparks.
Incompatibility - Materials To Avoid:	Bases, Oxidizing agents, Reducing agents, Acetone reacts violently with Phosphorus Oxychloride.
Hazardous Decomposition or Byproducts:	Not available.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information:	<p>Mutagenicity: No data available. CAS# 67-64-1: Acute toxicity, LD50, Oral, Rat, 5800. MG/KG. Results: Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Tremor. - Journal of Toxicology and Environmental Health., Hemisphere Pub., 1025 Vermont Ave., NW, Washington, DC 20005, Vol/p/yr: 15,609, 1985</p> <p>Acute toxicity, LC50, Inhalation, Rat, 50100. MG/M3, 8 H. Results: Kidney, Ureter, Bladder: Changes in bladder weight. - American Industrial Hygiene Association Journal., AIHA, 475 Wolf Ledges Pkwy., Akron, OH 44311, Vol/p/yr: 20,364, 1959</p> <p>Acute toxicity, LD50, Skin, Species: Guinea pig, > 9400. UL/KG. Results: Behavioral: Somnolence (general depressed activity). Behavioral: Excitement. Gastrointestinal: Nausea or vomiting. - Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 7,559, 1965</p>
Carcinogenicity/Other Information:	CAS# 67-64-1: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
67-64-1	Acetone {2-Propanone}	n.a.	n.a.	A4	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information:	<p>CAS# 67-64-1: LC50, Rainbow Trout (<i>Oncorhynchus mykiss</i>), fingerling, 6100000. UG/L, 24 H, Mortality, Water temperature: 10.00 C C, pH: 8.00; Acute Lethality, and Sub-lethal Effects of Acetone, Ethanol, and Propylene Glycol on the Cardiovascular and Respiratory Systems of Rainbow Trout, Majewski, H.S., J.F. Klaverkamp, and D.P. Scott, 1978</p> <p>LC50, Water Flea (<i>Daphnia magna</i>), 23500000. UG/L, 48 H, Mortality; Methodology for</p>
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Assessing the Acute Toxicity of Chemicals Sorbed to Sediments: Testing the Equilibrium Partitioning Theory, Ziegenfuss, P.S., W.J. Renaudette, and W.J. Adams, 1986

Persistence and Degradability:

Biodegradability: Result: 91 % - readily biodegradable.

Bioaccumulative Potential:

Does not bioaccumulate.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION

GHS Classification:

Flammable Liquids, Category 2 - Danger! Highly flammable liquid and vapor
 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
 Skin Corrosion/Irritation, Category 3 - Warning! Causes mild skin irritation

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Acetone.

DOT Hazard Class: 3

FLAMMABLE LIQUID

UN/NA Number: UN1090

Packing Group:

II



LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Acetone.

UN Number: 1090

Packing Group:

II

Hazard Class: 3 - FLAMMABLE LIQUID

TDG Classification:

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Acetone.

UN Number: 1090

Packing Group:

II

Hazard Class: 3 - FLAMMABLE LIQUID

IMDG MFAG Number:

IMDG EMS Page:

Marine Pollutant:

No

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Acetone.

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)
67-64-1	Acetone {2-Propanone}	No	Yes 5000 LB	No

CAS # Hazardous Components (Chemical Name) Other US EPA or State Lists

67-64-1	Acetone {2-Propanone}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ EHS: Yes - 0006; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: No; WI Air: Yes
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CAS # 67-64-1	Hazardous Components (Chemical Name) Acetone {2-Propanone}	International Regulatory Lists Canadian DSL: Yes; Canadian NDSL: No
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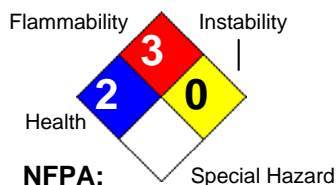
16. OTHER INFORMATION

Revision Date: 05/05/2015

Hazard Rating System:

HEALTH		2
FLAMMABILITY		3
PHYSICAL		0
PPE		K

HMIS:



NFPA:

Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

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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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