



SAFETY DATA SHEET

Quik-Shield 104 Resin (B)

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Printed: 03/31/2017
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1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: QS 104 B
Product Name: Quik-Shield 104 Resin (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



GHS Signal Word: **Warning**

GHS Hazard Phrases: H227 - Emergency Considerations: Emergency responders must wear the proper personal protective equipment suitable for the situation to which they are responding.
H302 - Harmful if swallowed.
H311 - Toxic in contact with skin.
H313 - May be harmful in contact with skin.
H314 - Causes severe skin burns and eye damage.
H316 - Causes mild skin irritation.
H318 - Causes serious eye damage.
H320 - Causes eye irritation.
H330 - Fatal if inhaled.
H402 - Harmful to aquatic life.

GHS Precaution Phrases: P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P260 - Do not breathe 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.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P284 - Wear respiratory protection .

GHS Response Phrases: P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+352 - IF ON SKIN: Wash with plenty of soap and water.
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.
P321 - Specific treatment see ... on this label.
P330 - Rinse mouth.



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GHS Storage and Disposal Phrases:	<p>P332+313 - If skin irritation occurs, get medical advice/attention. P337+313 - If eye irritation persists, get medical advice/attention. P361 - Remove/Take off immediately all contaminated clothing. P363 - Wash contaminated clothing before reuse. P312 - Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P403+235 - Store in cool/well-ventilated place. P405 - Store locked up. P501 - Preparing Wastes for Disposal: Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.</p> <p>RCRA Waste Code: None Listed</p> <p>EU Waste Code: None Listed.</p>
Inhalation:	Causes respiratory tract irritation. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Harmful if inhaled.
Skin Contact:	May be harmful if absorbed through the skin. Causes skin irritation. Causes burns. Skin Absorption: Toxic if absorbed through skin.
Eye Contact:	Causes eye irritation. Causes burns.
Ingestion:	Harmful if swallowed. Harmful if swallowed.
	Small intestine. Large intestine.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
13674-84-5	Halogenated Phosphate	30.0 -40.0 %
3033-62-3	Bis(2-(dimethylamino)ethyl)ether	<10.0 %

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 skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.
In Case of Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
In Case of Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately. Do NOT induce vomiting.
Signs and Symptoms Of Exposure:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Skin rash. Damage to the liver. Asthma. Gastrointestinal disturbances. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis, and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.
Note to Physician:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.



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5. FIRE FIGHTING MEASURES

Flash Pt:

Explosive Limits: LEL: UEL:

Autoignition Pt:

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. Suitable:

Fire Fighting Instructions: Wear self contained breathing apparatus for fire fighting if necessary. Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s):

Flammable Properties and

Hazards:

Hazardous Combustion

Products:

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. **PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL.** Evacuate area. **PROCEDURE(S) OF PERSONAL PRECAUTION(S)**
 Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.
 Methods for cleaning up.
 Cover with dry lime or soda ash, pick up, keep in a closed container, and hold for waste disposal.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Avoid inhalation of vapor or mist.
 Normal measures for preventive fire protection. User Exposure: Do not get in eyes, on skin, on clothing.

Precautions To Be Taken in Storing: Keep container tightly closed in a dry and well-ventilated place. Suitable:

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
13674-84-5	Halogenated Phosphate			
3033-62-3	Bis(2-(dimethylamino)ethyl)ether		TLV: 0.05 ppm STEL: 0.15 ppm	



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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).
Eye Protection:	Face shield and safety glasses.
Protective Gloves:	Handle with gloves. Eyes: Chemical safety goggles.
Other Protective Clothing:	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Engineering Controls (Ventilation etc.):	Use only in a chemical fume hood. Safety shower and eye bath.
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.
	EXPOSURE LIMITS, RTECS. Country Source Type Value. USA ACGIH TWA 0.05 PPM Remarks: Skin. STEL 0.15 PPM EXPOSURE LIMITS. USA TWA 0.05 ppm USA STEL 0.15 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[] Gas [X] Liquid [] Solid		
Appearance and Odor:	Off-white. Musty.		
pH:			
Melting Point:			
Boiling Point:			
Flash Pt:			
Evaporation Rate:			
Flammability (solid, gas):			
Explosive Limits:	LEL:		UEL:
Vapor Pressure (vs. Air or mm Hg):			
Vapor Density (vs. Air = 1):			
Specific Gravity (Water = 1):			
Solubility in Water:			



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Octanol/Water Partition
 Coefficient:
 Autoignition Pt:
 Decomposition Temperature:
 Viscosity:

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: No data available.

Incompatibility - Materials To Avoid: No dangerous reaction known under conditions of normal use. Mineral acids, acids (organic, sodium hypochlorite). Corrodes metal.

Hazardous Decomposition or Byproducts: formed under fire conditions. Carbon oxides, Phosphorous oxides, Hydrogen chloride gas, Thermal decomposition 244 °C Carbon monoxide, Carbon dioxide, Nitrogen oxides, Ammonia, Nitric acid.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions:

11. TOXICOLOGICAL INFORMATION

Toxicological Information: CAS# 13674-84-5:
 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, This product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace., 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



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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 #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
13674-84-5	Halogenated Phosphate				
3033-62-3	Bis(2-(dimethylamino)ethyl)ether				

12. ECOLOGICAL INFORMATION

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. APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

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.

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)
13674-84-5	Halogenated Phosphate	No	No	No
3033-62-3	Bis(2-(dimethylamino)ethyl)ether	No	No	No
Other US EPA or State Lists				
13674-84-5	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		
3033-62-3	Bis(2-(dimethylamino)ethyl)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: No; SC TAP: No; WI Air: Yes		
International Regulatory Lists				
13674-84-5	Halogenated Phosphate	Canadian DSL: Yes; Canadian NDSL: No		
3033-62-3	Bis(2-(dimethylamino)ethyl)ether	Canadian DSL: Yes; Canadian NDSL: No		

16. OTHER INFORMATION

Revision Date: 03/31/2017

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.

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