



SAFETY DATA SHEET

Quik-Shield 108 YM Resin (B)

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Printed: 02/12/2018
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1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: QS 108 YM B
Product Name: Quik-Shield 108 YM 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
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 1



GHS Signal Word: **Danger**

GHS Hazard Phrases: H302 - Harmful if swallowed.
H313 - May be harmful in contact with skin.
H315 - Causes skin irritation.
H316 - Causes mild skin irritation.
H318 - Causes serious eye damage.
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.
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.
P302+352 - IF ON SKIN: Wash with plenty of soap and water.
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.
P332+313 - If skin irritation occurs, get medical advice/attention.
P337+313 - If eye irritation persists, get medical advice/attention.
P362 - Take off contaminated clothing and wash before re-use.

GHS Storage and Disposal Phrases: P501 - Dispose of contents/container to ...



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Inhalation:	May be harmful if inhaled. Causes respiratory tract irritation. Material is irritating to mucous membranes and upper respiratory tract.
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. Causes eye burns.
Ingestion:	Harmful if swallowed. Harmful if swallowed. Small intestine. Large intestine.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
NA	Halogenated Phosphate	30.0 -50.0 %
NA	Non-Emissive Amine Catalyst	5.0 -10.0 %
NA	Proprietary Amine	0.0 -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. If inhaled, remove to fresh air. Consult a physician.
In Case of Skin Contact:	Wash off with soap and plenty of water. Consult a physician. In case of contact, immediately wash skin with soap and copious amounts of water. In case of skin contact, flush with copious amounts of water for at least 15 minutes. Call a physician. Take off contaminated clothing and shoes immediately.
In Case of Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician. Continue rinsing eyes during transport to hospital.
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. 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. Cough, Shortness of breath, Headache.
Note to Physician:	Show this safety data sheet to the doctor in attendance. Move out of dangerous area.



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: For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible.

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): Emits toxic fumes under fire conditions.

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(S) OF PERSONAL PRECAUTION(S)
 Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Methods for cleaning up.
 Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete. PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL. Evacuate area. Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Avoid inhalation of vapor or mist. Normal measures for preventive fire protection. User Exposure: Avoid contact with eyes, skin, and clothing.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
NA	Halogenated Phosphate			
NA	Non-Emissive Amine Catalyst			
NA	Proprietary Amine			



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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). Hand: Compatible chemical-resistant gloves.
Eye Protection:	Face shield and safety glasses. Chemical safety goggles. 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).
Protective Gloves:	Handle with gloves. Eyes: Chemical safety goggles. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands.
Other Protective Clothing:	Choose body protection according to the amount and concentration of the dangerous substance at the work place. Complete suit protecting against chemicals.
Engineering Controls (Ventilation etc.):	Mechanical exhaust required. Safety shower and eye bath. Use only in a chemical fume hood.
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 thoroughly after handling. Wash contaminated clothing before reuse. Discard contaminated shoes. 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:	amber. 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:		



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

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]
Conditions To Avoid - No data available.
Instability:
Incompatibility - Materials To Avoid: Strong oxidizing agents. Mineral acids, acids (organic, sodium hypochlorite). Corrodes metal. Avoid moisture. Avoid direct Sunlight. Avoid excessive temperatures.
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, nitrogen oxides (NOx).
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:

11. TOXICOLOGICAL INFORMATION

Toxicological Information: 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, 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:
Skin - rabbit - Corrosive.
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.



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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 #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
NA	Halogenated Phosphate				
NA	Non-Emissive Amine Catalyst				
NA	Proprietary Amine				

12. ECOLOGICAL INFORMATION

Persistence and Degradability: No data available.
 Biodegradability:
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. This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

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
- Skin Corrosion/Irritation, Category 2 - Warning! Causes skin irritation
- Serious Eye Damage/Eye Irritation, Category 1 - Danger! Causes serious eye damage

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name:
DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name:
UN Number:
Hazard Class: **TDG Classification:**



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AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Non-Hazardous for Air Transport: Non-hazardous for air transport. UN Number: 2927 Hazard Class: 6.1 Packing Group: II.

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
NA	Non-Emissive Amine Catalyst	No	No	No
NA	Proprietary Amine	No	No	No

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

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
NA	Non-Emissive Amine Catalyst	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; 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	Proprietary Amine	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; 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

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
NA	Halogenated Phosphate	Canadian DSL: Yes; Canadian NDSL: No
NA	Non-Emissive Amine Catalyst	Canadian DSL: No; Canadian NDSL: No
NA	Proprietary Amine	Canadian DSL: No; Canadian NDSL: No

16. OTHER INFORMATION

Revision Date: 02/12/2018

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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