



# SAFETY DATA SHEET

## Quik-Shield A

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** QS A  
**Product Name:** Quik-Shield A  
**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 5**  
**Skin Corrosion/Irritation, Category 2**  
**Skin Sensitization, Category 1**  
**Serious Eye Damage/Eye Irritation, Category 2B**  
**Acute Toxicity: Inhalation, Category 4**  
**Respiratory Sensitization, Category 1**  
**Carcinogenicity, Category 2**



**GHS Signal Word:** **Danger**

**GHS Hazard Phrases:** H303 - May be harmful if swallowed.  
H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H320 - Causes eye irritation.  
H332 - Harmful if inhaled.  
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H351 - Suspected of causing cancer .  
H401 - Toxic to aquatic life.

**GHS Precaution Phrases:** P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P284 - Wear respiratory protection .  
P285 - In case of inadequate ventilation wear respiratory protection.

**GHS Response Phrases:** P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P341 - If breathing is difficult, remove 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.  
P308+313 - IF exposed or concerned: Get medical attention/advice.  
P332+313 - If skin irritation occurs, get medical advice/attention.  
P337+313 - If eye irritation persists, get medical advice/attention.



# SAFETY DATA SHEET

## Quik-Shield A

<b>GHS Storage and Disposal Phrases:</b>	P342+311 - If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. P362 - Take off contaminated clothing and wash before re-use. P405 - Store locked up.
<b>Inhalation:</b>	Causes respiratory tract irritation.
<b>Skin Contact:</b>	May be harmful if absorbed through the skin. Causes skin irritation.
<b>Eye Contact:</b>	Causes eye irritation.
<b>Ingestion:</b>	May be harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Ingredients/Components	Concentration
9016-87-9	Polymeric diphenylmethane diisocyanate {Isocyanic acid, Poly	0.0 -100.0 %

### 4. FIRST AID MEASURES

<b>Emergency and First Aid Procedures:</b>	
<b>In Case of Inhalation:</b>	If breathed in, move person into fresh air. If not breathing give artificial respiration.
<b>In Case of Skin Contact:</b>	Wash off with soap and plenty of water. Consult a physician.
<b>In Case of Eye Contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>In Case of Ingestion:</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>Signs and Symptoms Of Exposure:</b>	Cough, Shortness of breath, Headache. Nausea. Vomiting, Pulmonary edema. Effects may be delayed.
<b>Note to Physician:</b>	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

### 5. FIRE FIGHTING MEASURES

<b>Flash Pt:</b>	> 150.00 C	Method Used: Closed Cup
<b>Explosive Limits:</b>	LEL:	UEL:
<b>Autoignition Pt:</b>	NA	
<b>Suitable Extinguishing Media:</b>	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.	
<b>Fire Fighting Instructions:</b>	Wear self contained breathing apparatus for fire fighting if necessary.	
<b>Flammable Properties and Hazards:</b>		
<b>Hazardous Combustion Products:</b>		

### 6. ACCIDENTAL RELEASE MEASURES

<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	<p>Personal precautions. Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Environmental precautions. Do not let product enter drains.</p> <p>Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.</p>
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## 7. HANDLING AND STORAGE

**Precautions To Be Taken in Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Precautions To Be Taken in Storing:** Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 15 - 38 deg.C. Store under inert gas. Moisture sensitive.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
9016-87-9	Polymeric diphenylmethane diisocyanate {Isocyanic acid, Poly			
<b>Respiratory Equipment (Specify Type):</b>	When the product is sprayed or heated without adequate ventilation, an approved MSHA/NIOSH positive-pressure, supplied air respirator may be required. Air purifying respirators equipped with organic vapor cartridges and HEPA (P100) particulate filter may be used under certain conditions when the cartridge change-out schedule has been developed in accordance with the OSHA respiratory protection standard (29 CFR 1910.134).			
<b>Eye Protection:</b>	Face shield and safety glasses.			
<b>Protective Gloves:</b>	Handle with gloves.			
<b>Other Protective Clothing:</b>	Choose body protection according to the amount and concentration of the dangerous substance at the work place.			
<b>Engineering Controls (Ventilation etc.):</b>				
<b>Work/Hygienic/Maintenance Practices:</b>	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:** Slightly. Musty.

**pH:**

**Melting Point:** 42.00 C - 45.00 C

**Boiling Point:** 200.00 C

**Flash Pt:** > 150.00 C Method Used: Closed Cup

**Evaporation Rate:**

**Flammability (solid, gas):**

**Explosive Limits:** LEL: UEL:

**Vapor Pressure (vs. Air or mm Hg):** 1

**Vapor Density (vs. Air = 1):**

**Specific Gravity (Water = 1):**

**Density:** 1.18 G/CM3

**Solubility in Water:**



**Octanol/Water Partition**

**Coefficient:**

**Autoignition Pt:** NA

**Decomposition Temperature:**

**Viscosity:**

**10. STABILITY AND REACTIVITY**

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** Contact with moisture, other materials that react with isocyanates, or temperatures above 350 °F (177 °C), may cause polymerization.

**Incompatibility - Materials To Avoid:** Water. Amines, Strong bases, Alcohols.

**Hazardous Decomposition or Byproducts:** formed under fire conditions. Carbon oxides, nitrogen oxides (NOx).

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

**Conditions To Avoid - Hazardous Reactions:**

**11. TOXICOLOGICAL INFORMATION**

**Toxicological Information:** CAS# 9016-87-9:  
Not reported., LC50, Not reported., Rat, 490.0 MG/M3.  
Results:  
Behavioral: Somnolence (general depressed activity).  
Behavioral: Convulsions or effect on seizure threshold.  
- National Technical Information Service, Vol/p/yr: OTS05, 6728

Not reported., LD50, Dermal, Rat, 490.0 MG/L.  
Results:  
Behavioral: Somnolence (general depressed activity).  
Behavioral: Convulsions or effect on seizure threshold.

Not reported., LC50, Not reported., Rat, 490.0 MG/M3.  
Results:  
Kidney, Ureter, Bladder:Renal function tests depressed.  
Blood:Other changes.

**Irritation or Corrosion:** Serious eye damage/eye irritation:  
Eyes - rabbit - Moderate eye irritation.

**Carcinogenicity/Other Information:** Carcinogenicity.  
This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

Limited evidence of carcinogenicity in animal studies.  
IARC: Group 3: Not classifiable as to its carcinogenicity to humans 3.  
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.



# SAFETY DATA SHEET

## Quik-Shield A

CAS #	Ingredients/Components	NTP	IARC	ACGIH	OSHA
9016-87-9	Polymeric diphenylmethane diisocyanate (Isocyanic acid, Poly		3		

### 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. 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.

### 14. TRANSPORT INFORMATION

**Additional Transport Information:** Not regulated except when shipped in bulk. Bulk containers (>9 000 lbs) must be transported as: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Methylene Diphenyl Diisocyanate), Class 9, UN3082, PG III, RQ.

#### LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** Other regulated substances, Liquid, N.O.S. (Methylene Diphenyl Diisocyanate)  
**DOT Hazard Class:** 9 CLASS 9  
**UN/NA Number:** NA3082  
**Packing Group:** III



#### LAND TRANSPORT (Canadian TDG):

**TDG Shipping Name:** Not Regulated.  
**UN Number:** 3082  
**Hazard Class:** 9 - CLASS 9  
**Packing Group:** III  
**TDG Classification:**

#### MARINE TRANSPORT (IMDG/IMO):

**IMDG/IMO Shipping Name:** Not Regulated.

#### AIR TRANSPORT (ICAO/IATA):

**ICAO/IATA Shipping Name:** Not Regulated.



# SAFETY DATA SHEET

## Quik-Shield A

### 15. REGULATORY INFORMATION

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

CAS #	Ingredients/Components	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
9016-87-9	Polymeric diphenylmethane diisocyanate {Isocyanic acid, Poly	No	No	Yes-Cat. N120

#### CAS # Ingredients/Components

9016-87-9 Polymeric diphenylmethane diisocyanate  
{Isocyanic acid, Poly

#### Other US EPA or State Lists

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -  
Inventory, 8C, 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: Yes - Cat.; NY Part 597: No; PA HSL: No; SC TAP:  
No; WI Air: No

#### CAS # Ingredients/Components

9016-87-9 Polymeric diphenylmethane diisocyanate  
{Isocyanic acid, Poly

#### International Regulatory Lists

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.

Incipient fire responders should wear eye protection. Firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

Incipient fire responders should wear eye protection. Firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

### 16. OTHER INFORMATION

Revision Date: 12/12/2018

#### 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.

NO PERSON OR ORGANIZATION EXCEPT A DULY AUTHORIZED SWD EMPLOYEE SHALL PROVIDE, OR MAKE AVAILABLE, DATA SHEETS FOR SWD PRODUCTS. DATA SHEETS FROM UNAUTHORIZED SOURCES MAY CONTAIN INFORMATION



# SAFETY DATA SHEET

## Quik-Shield A

THAT IS NO LONGER CURRENT OR ACCURATE. NO PART OF THIS DATA SHEET MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM, OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF SWD. ALL REQUESTS FOR PERMISSION TO REPRODUCE MATERIAL FROM THIS DATA SHEET OR QUESTIONS REGARDING THIS DATA SHEET SHOULD BE DIRECTED TO SWD AT 800-828-1394.



# SAFETY DATA SHEET

## Quik-Shield 104 Resin (B)

### 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.





# SAFETY DATA SHEET

## Quik-Shield 104 Resin (B)

<b>GHS Storage and Disposal Phrases:</b>	<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>
<b>Inhalation:</b>	Causes respiratory tract irritation. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Harmful if inhaled.
<b>Skin Contact:</b>	May be harmful if absorbed through the skin. Causes skin irritation. Causes burns. Skin Absorption: Toxic if absorbed through skin.
<b>Eye Contact:</b>	Causes eye irritation. Causes burns.
<b>Ingestion:</b>	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

<b>Emergency and First Aid Procedures:</b>	
<b>In Case of Inhalation:</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
<b>In Case of Skin Contact:</b>	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.
<b>In Case of Eye Contact:</b>	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.
<b>In Case of Ingestion:</b>	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.
<b>Signs and Symptoms Of Exposure:</b>	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.
<b>Note to Physician:</b>	Consult a 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:

**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	



# SAFETY DATA SHEET

## Quik-Shield 104 Resin (B)

<b>Respiratory Equipment (Specify Type):</b>	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).
<b>Eye Protection:</b>	Face shield and safety glasses.
<b>Protective Gloves:</b>	Handle with gloves. Eyes: Chemical safety goggles.
<b>Other Protective Clothing:</b>	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
<b>Engineering Controls (Ventilation etc.):</b>	Use only in a chemical fume hood. Safety shower and eye bath.
<b>Work/Hygienic/Maintenance Practices:</b>	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

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



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:** 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



# SAFETY DATA SHEET

## Quik-Shield 104 Resin (B)

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.



# SAFETY DATA SHEET

## Quik-Shield 104 Resin (B)

### 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

**CAS # Hazardous Components (Chemical Name)**
**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

**CAS # Hazardous Components (Chemical Name)**
**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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