



1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: QS 1040
Product Name: Quik-Shield 1040
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

Skin Corrosion/Irritation, Category 2
Skin Sensitization, Category 1
Serious Eye Damage/Eye Irritation, Category 2B
Specific Target Organ Toxicity (repeated exposure), Category 2



GHS Signal Word: **Warning**

GHS Hazard Phrases: H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H320 - Causes eye irritation.
H373 - May cause damage to through prolonged or repeated exposure.

GHS Precautionary Phrases: P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
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.

GHS Response Phrases: 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.
P314 - Get medical attention/advice if you feel unwell.
P321 - Specific treatment see ... on this label.
P332+313 - If skin irritation occurs, get medical advice/attention.
P333+313 - If skin irritation or rash occurs, seek medical advice/attention.
P337+313 - If eye irritation persists, get medical advice/attention.
P362 - Take off contaminated clothing and wash before re-use.
P363 - Wash contaminated clothing before reuse.
P391 - Collect spillage.

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

Other Hazards: Toxic to aquatic life with long lasting effects.



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|----------------------|--|
| Inhalation: | May cause damage to organs through prolonged or repeated exposure. |
| Skin Contact: | Causes skin irritation. |
| | Causes skin irritation. Allergic reactions are possible. |
| Eye Contact: | Causes eye irritation. |

3. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS # | Ingredients/Components | Concentration |
|------------|---|---------------|
| 540-88-5 | Tert-Butyl acetate {Acetic acid, tert-butyl ester; Acetic acid, 1,1-dimethylethyl ester} | 60.0 -70.0 % |
| 78-10-4 | Silicic acid, Tetraethyl ester {Tetraethyl orthosilicate; TEOS; Tetraethoxysilane; Tetraalkyl silicate} | 15.0 -18.0 % |
| 1330-20-7 | Xylene (mixed isomers) {Benzene, dimethyl-} | 7.0 -10.0 % |
| 17927-72-9 | Bis(2-propanolato)bis(2,4-pentanedionato)titanium | 5.0 -7.0 % |
| 67-63-0 | Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol} | 1.0 -2.0 % |

4. FIRST AID MEASURES

Emergency and First Aid

Procedures:

| | |
|---------------------------------|--|
| In Case of Inhalation: | If inhaled, move to fresh air. Get medical attention if irritation develops. |
| In Case of Skin Contact: | IF ON SKIN: Gently wash with plenty of soap and water. |
| In Case of Eye Contact: | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| In Case of Ingestion: | Call a POISON CENTER or doctor/physician if exposed or you feel unwell. |

5. FIRE FIGHTING MEASURES

Flash Pt:

Explosive Limits: LEL: UEL:

Autoignition Pt:

Suitable Extinguishing Media: Dry chemical, CO₂, alcohol-resistant foam or water spray.

Fire Fighting Instructions: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

Flammable Properties and

Hazards:

Hazardous Combustion

Products:



6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment.

Environmental Precautions: Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water.

Steps To Be Taken In Case Material Is Released Or Spilled: Contain spill if safe to do so. Prevent entry into drains, sewers, and other waterways. Soak up with a non-combustible absorbent material and place in an appropriate container for disposal. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Prevent formation of aerosols.

Precautions To Be Taken in Storing: Storage period: 6 months; Storage temp: 40-80F.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| CAS # | Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
|------------|---|--------------|-------------------------------|--------------|
| 540-88-5 | Tert-Butyl acetate {Acetic acid, tert-butyl ester; Acetic acid, 1,1-dimethylethyl ester} | PEL: 200 ppm | TLV: 200 ppm | |
| 78-10-4 | Silicic acid, Tetraethyl ester {Tetraethyl orthosilicate; TEOS; Tetraethoxysilane; Tetraalkyl silicate} | PEL: 100 ppm | TLV: 10 ppm | |
| 1330-20-7 | Xylene (mixed isomers) {Benzene, dimethyl-} | PEL: 100 ppm | TLV: 100 ppm STEL: 150 ppm | |
| 17927-72-9 | Bis(2-propanolato)bis(2,4-pentanediona to)titanium | | | |
| 67-63-0 | Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol} | PEL: 400 ppm | TLV: 200 ppm STEL: 400 ppm | |

Recommended Exposure Limits: This product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.

Respiratory Equipment (Specify Type): In case of brief exposure at low atmospheric levels use an approved air-purifying respiratory equipped with an organic vapor sorbent and a particle filter. In case of intensive or longer exposure use a positive pressure air-supplying respirator (air line or self-contained breathing apparatus).

Eye Protection: Goggles.

Protective Gloves: Use chemical resistant gloves classified under Standard EN374: Protective gloves against chemicals and microorganisms. Examples of preferred glove barrier materials include: Butyl rubber, Polyethylene, EVAL, Neoprene, Ntrile, Viton. When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher is recommended.

Other Protective Clothing:

Engineering Controls (Ventilation etc.):



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [] Gas [X] Liquid [] Solid
Appearance and Odor: This product is a deep red liquid with a characteristic odor.
pH:
Melting Point:
Boiling Point:
Flash Pt:
Evaporation Rate:
Flammability (solid, gas):
Explosive Limits: LEL: UEL:
Vapor Pressure (vs. Air or mm Hg): 17 mmHg at 68.0 F
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

Reactivity: No dangerous reaction known under conditions of normal use.
Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability:
Incompatibility - Materials To Avoid:
Hazardous Decomposition or Byproducts: No dangerous decomposition products known.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:



11. TOXICOLOGICAL INFORMATION

Toxicological Information:

Irritation or Corrosion: Skin: Irritating effect; Eye: Irritating effect.

| CAS # | Ingredients/Components | NTP | IARC | ACGIH | OSHA |
|------------|---|-----|------|-------|------|
| 540-88-5 | Tert-Butyl acetate {Acetic acid, tert-butyl ester; Acetic acid, 1,1-dimethylethyl ester} | | | | |
| 78-10-4 | Silicic acid, Tetraethyl ester {Tetraethyl orthosilicate; TEOS; Tetraethoxysilane; Tetraalkyl silicate} | | | | |
| 1330-20-7 | Xylene (mixed isomers) {Benzene, dimethyl-} | | 3 | A4 | |
| 17927-72-9 | Bis(2-propanolato)bis(2,4-pentanedionato)titanium | | | | |
| 67-63-0 | Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol} | | 3 | A4 | |

12. ECOLOGICAL INFORMATION

General Ecological Information: All work practices must be aimed at eliminating environmental contamination.

Extremely hazardous for water. Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground. Also poisonous for fish and plankton in water bodies.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Ground/bond container and receiving equipment.

14. TRANSPORT INFORMATION

GHS Classification: Skin Corrosion/Irritation, Category 2 - Warning! Causes skin irritation
Skin Sensitization, Category 1 - Warning! May cause an allergic skin reaction
Aquatic Toxicity (Chronic), Category 2 - Toxic to aquatic life with long lasting effects
Serious Eye Damage/Eye Irritation, Category 2B - Warning! Causes eye irritation
Specific Target Organ Toxicity (repeated exposure), Category 2 - Warning! May cause damage to {<target organs>} through prolonged or repeated exposure

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.
DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (Canadian TDG):

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

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated.
UN Number: **Packing Group:**
Hazard Class:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated.
UN Number: **Packing Group:**
Hazard Class:



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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) |
|------------|---|--------------|-------------|--------------|
| 540-88-5 | Tert-Butyl acetate {Acetic acid, tert-butyl ester; Acetic acid, 1,1-dimethylethyl ester} | No | Yes 5000 LB | No |
| 78-10-4 | Silicic acid, Tetraethyl ester {Tetraethyl orthosilicate; TEOS; Tetraethoxysilane; Tetraalkyl silicate} | No | No | No |
| 1330-20-7 | Xylene (mixed isomers) {Benzene, dimethyl-} | No | Yes 100 LB | Yes |
| 17927-72-9 | Bis(2-propanolato)bis(2,4-pentanedionato)titanium | No | No | No |
| 67-63-0 | Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol} | No | No | Yes |

CAS # Ingredients/Components

Other US EPA or State Lists

| | | |
|------------|---|--|
| 540-88-5 | Tert-Butyl acetate {Acetic acid, tert-butyl ester; Acetic acid, 1,1-dimethylethyl ester} | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8A PAIR; 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: No; NY Part 597: Yes: HS; PA HSL: Yes - E; SC TAP: No; WI Air: No |
| 78-10-4 | Silicic acid, Tetraethyl ester {Tetraethyl orthosilicate; TEOS; Tetraethoxysilane; Tetraalkyl silicate} | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: Yes |
| 1330-20-7 | Xylene (mixed isomers) {Benzene, dimethyl-} | CAA HAP,ODC: HAP: VHAP; CWA NPDES: Yes; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. IIa, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: CMR - 44, Part 5; NC TAP: Yes: NC TAP; NJ EHS: Yes - 2014; NY Part 597: Yes: HS; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes |
| 17927-72-9 | Bis(2-propanolato)bis(2,4-pentanedionato)titanium | 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 |
| 67-63-0 | Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol} | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. IIb, Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 1076; NY Part 597: No; PA HSL: Yes - E; SC TAP: No; WI Air: No |

CAS # Ingredients/Components

International Regulatory Lists

| | | |
|------------|---|--------------------------------------|
| 540-88-5 | Tert-Butyl acetate {Acetic acid, tert-butyl ester; Acetic acid, 1,1-dimethylethyl ester} | Canadian DSL: No; Canadian NDSL: No |
| 78-10-4 | Silicic acid, Tetraethyl ester {Tetraethyl orthosilicate; TEOS; Tetraethoxysilane; Tetraalkyl silicate} | Canadian DSL: Yes; Canadian NDSL: No |
| 1330-20-7 | Xylene (mixed isomers) {Benzene, dimethyl-} | Canadian DSL: Yes; Canadian NDSL: No |
| 17927-72-9 | Bis(2-propanolato)bis(2,4-pentanedionato)titanium | Canadian DSL: Yes; Canadian NDSL: No |
| 67-63-0 | Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol} | Canadian DSL: Yes; Canadian NDSL: No |



16. OTHER INFORMATION

Revision Date: 08/01/2019
Preparer Name: Wayne Partin

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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