

**1. Identification of the Substance / Preparation and of the Company / Undertaking**

- 1.1 Product Name:** UV QDT Urethane Top Coat
- 1.2 Other Means of ID:** None
- 1.3 Part Number:** 294007057N
- 1.4 Recommended Use:** Lane Finish
- 1.5 Restrictions on Use:** None
- 1.6 Manufacturer:** QubicaAMF 8100 AMF Drive  
Mechanicsville, VA 23111, USA  
Emergency Phone: (352) 323-3500 (800) 535-5053  
Email: EU-Chemicals@qubicaamf.com (Worldwide);  
INFOSDS@qubicaamf.us (USA)
- 1.7 ChemTel 24-hour  
Emergency Phone Numbers:** United States, Canada, Puerto Rico, U.S. Virgin Islands: 1-800-255-3924,  
Australia: 1-300-954-583, Brazil: 0-800-591-6042, China: 400-120-0751,  
India: 000-800-100-4086, Mexico: 01-800-099- 0731,  
All other countries (collect calls accepted): +1-813-248-0585

**2. Hazards Identification****2.1 Emergency Overview**

**DANGER:** Flammable liquid and vapor.  
May be fatal if swallowed and enters airways.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause drowsiness or dizziness.  
Causes damage to organs through prolonged or repeated exposure.

**2.2 Hazard Class:**

<b>HAZARD CLASS</b>	<b>HAZARD CATEGORY</b>
Flammable liquid	3
Skin irritation	2
Eye irritation	2A
Respiratory sensitization	1
Skin sensitization	1
Specific target organ toxicity - single exposure	3
Specific target organ toxicity - repeated exposure	1
Specific target organ toxicity - repeated exposure	2
Aspiration hazard	1



**2.3 Pictograms:**



**2.4 Precautionary Statements:**

**Prevention:** Keep away from heat, sparks, open flames, hot surfaces - no smoking. Keep container tightly closed. No release into water. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe vapors, mist, or spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection. In case of inadequate ventilation wear respiratory protection.

**Response:** IF SWALLOWED: Immediately call a physician or poison control center. Do NOT induce vomiting. IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Do NOT induce vomiting. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. If experiencing respiratory symptoms: Call a poison center or physician. Take off contaminated clothing. IN CASE OF FIRE: Use foam, dry chemical or carbon dioxide to extinguish.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

**Disposal:** Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

**3. Composition / Information on Ingredients**

**3.1 Substance/preparation (mixture):**

Hazardous Component(s)	CAS Number	Percentage*
Urethane polymer	Proprietary	30 - 60
Xylenes	1330-20-7	10 - 30
4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene	98-56-6	10 - 30
Methoxypropyl acetate 2-	108-65-6	1 - 5
Ethylbenzene	100-41-4	1 - 5

\* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.



## 4. First Aid Measures

### 4.1 Description of first aid measures

**After inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**After skin contact:** Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Get medical attention.

**After eye contact:** Check for and remove any contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

**After swallowing:** If material is ingested, immediately contact a physician or poison control center. Never give anything by mouth to an unconscious person. DO NOT induce vomiting unless directed to do so by medical personnel.

### 4.2 Symptoms See Section 11.

## 5. Fire Fighting Measures

### 5.1 Extinguishing Media

Use extinguishing measures appropriate to local circumstances and the surrounding environment. Water spray (fog), foam, dry chemical or carbon dioxide.

### 5.2 Special firefighting procedures:

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Isolate area. Keep unnecessary personnel away.

### 5.3 Unusual fire or explosion hazards:

Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Avoid water contamination in closed containers or confined areas.

### 5.4 Hazardous combustion products:

Oxides of carbon. Irritating and toxic gases or fumes may be released during a fire. Isocyanate vapors.

## 6. Accidental Release Measures

**Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.**

### 6.1 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system.

### 6.2 Clean-up methods:

Isolate area. Keep unnecessary personnel away. Eliminate all ignition sources (flames, hot surfaces, and sources of electrical, static or frictional sparks). Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered metal containers for recovery or disposal, or remove with inert absorbent. Use only non-sparking tools. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams and groundwater with spilled material or used absorbent. Wear appropriate personal protective equipment.



7. Handling and Storage

7.1 Safe Handling Precautions:

Make sure containers are properly grounded before use or transfer of material. Wash thoroughly after handling. Keep container closed. Do not breathe gas/fumes/vapor/spray. Do not taste or swallow. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities:

Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Do not pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers. Ground and bond metal containers for liquid transfer to avoid static sparks. Do not let moisture contaminate this material. Product reacts with water to release carbon dioxide, which could build up pressure in closed containers and lead to bursting. Do not reseal if moisture contamination is suspected.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. Exposure Controls / Personal Protection

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Table with 5 columns: Hazardous Components, ACGIH TLV, OSHA PEL, AIHA WEEL, OTHER. Rows include Urethane polymer, Xylenes, 4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene, Methoxypropyl acetate 2-, and Ethylbenzene.

8.1 Engineering controls: Work should be done in an adequately ventilated area (i.e., ventilation sufficient to maintain concentrations below one half of the PEL and other relevant standards). Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination. Persons with asthmatic-type conditions, chronic bronchitis, other chronic respiratory diseases or recurrent skin eczema or sensitization should be excluded from working with isocyanates. Once a person is diagnosed as sensitized to an isocyanate, no further exposure can be permitted.

8.2 Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respirator use (29 CFR 1910.134).

8.3 Eye/face protection: Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists.

8.4 Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact. Safety showers and eye wash stations should be available.



## 9. Physical and Chemical Properties

### 9.1 Physical and Chemical Properties

**Physical state:** Liquid

**Color:** Natural color

**Odor:** Solvent

**Odor threshold:** Not available

**pH:** Not applicable

**Vapor pressure:** Not available

**Melting point/range:** Not available

**Boiling point/range:** Not available

**Specific gravity:** 1.1 (Water = 1)

**Vapor density:** Heavier than air.

**Flash point:** 32.2 °C (89.96 °F)

**Flammable/Explosion limit lower:**

1.1 % (Xylenes (individual or mixed isomers))

**Flammable/Explosion limit upper:**

6.6 % (Xylenes (individual or mixed isomers))

**Auto/Self-Ignition temp.:** Not available

**Evaporation rate:** Slower than diethyl ether

**Solubility in water:** Not soluble.

Reacts with water to liberate carbon dioxide gas.

**Partition coefficient (N-octanol/water):** Not available

**VOC content:** 40%

**Viscosity:** Not available

**Decomposition temperature:** Not available

## 10. Stability and Reactivity

**10.1 Reactivity:** Stable under recommended storage conditions.

**10.2 Hazardous reactions:** None expected.

**10.3 Hazardous decomposition products:** Irritating and toxic gases or fumes may be released during a fire. Oxides of carbon. Isocyanate vapors

**10.4 Incompatible materials:** Strong acids, alkalis and oxidizing agents. Amines. Alcohols. Water. Moisture.

**10.5 Reactivity:** Not available.

**10.6 Conditions to avoid:** Heat, flames, sparks and other sources of ignition.

Container can be pressurised by carbon dioxide due to reaction with humid air and/or water.



11. Toxicological Information

11.1 Relevant routes of exposure

Potential Health Effects/Symptoms

- Inhalation:** Causes respiratory tract irritation. The solvent vapors can be harmful and cause headache, nausea, and intoxication. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. May cause sensitization by inhalation and skin contact.
- Skin Contact:** Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause allergic skin reaction in susceptible individuals.
- Eye Contact:** Causes eye irritation. Prolonged eye contact may cause severe eye damage.
- Ingestion:** May cause gastrointestinal tract irritation if swallowed. Aspirated material can enter the lungs and result in pneumonitis. Ingestion of this product may result in central nervous system effects including headache, sleepiness, dizziness, slurred speech and blurred vision.

Hazardous Components	LD50s and LC50s	Health Effects/Target Organs
Urethane polymer	None	Irritant, Allergen, Respiratory
Xylenes	Oral LD50 (RAT) = 6,670 mg/kg Oral LD50 (RAT) = 3,523 - 8,600 mg/kg Oral LD50 (RAT) = 4,300 mg/kg Dermal LD50 (RABBIT) = > 43 g/kg Inhalation LC50 (RAT, 4 h) = 6,350 mg/l	Cardiac, Central nervous system, Irritant, Kidney, Liver
4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene	None	Adrenals, Blood, Central nervous system, Immune system, Irritant, Kidney, Liver, Lung, Skin, Thyroid
Methoxypropyl acetate 2-	None	Irritant, Central nervous system
Ethylbenzene	Oral LD50 (RAT) = 5.46 g/kg Oral LD50 (RAT) = 3,500 mg/kg Dermal LD50 (RABBIT) = 17,800 mg/kg	Irritant, Central nervous system

Hazardous Components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (specifically regulated)
Urethane polymer	No	No	No
Xylenes	No	No	No
4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene	No	No	No
Methoxypropyl acetate 2-	No	No	No
Ethylbenzene	No	Group 2B	No



## 12. Ecological Information

### 12.1 Ecological information

No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, ground water, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

## 13. Disposal Considerations

**Information provided is for unused product only.**

- 13.1 Waste disposal recommendations:** Legal disposition of wastes is the responsibility of the owner/generator of the waste. Applicable federal, state and/or local regulations must be followed during treatment, storage, or disposal of waste containing this product. Empty containers must be handled with care due to product residue.
- 13.2 Waste disposal recommendations:** D001: Ignitable.

## 14. Transport Information

**The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.**

### 14.1 Canada Transportation of Dangerous Goods - Ground

<b>Proper shipping name:</b>	Resin solution
<b>Hazard class or division:</b>	3
<b>Identification number:</b>	UN 1866
<b>Packing group:</b>	III
<b>DOT Hazardous Substance(s):</b>	Xylene (mixed), ethylbenzene

### 14.2 International Air Transportation (ICAO/IATA)

<b>Proper shipping name:</b>	Resin solution
<b>Hazard class or division:</b>	3
<b>Identification number:</b>	UN 1866
<b>Packing group:</b>	III

### 14.3 Water Transportation (IMO/IMDG)

<b>Proper shipping name:</b>	Resin solution
<b>Hazard class or division:</b>	3
<b>Identification number:</b>	UN 1866
<b>Packing group:</b>	III





**15. Regulatory Information**

**15.1 United States Regulatory Information**

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

**TSCA 12 (b) Export Notification:** Chloro-fluoro solvent (CAS# 98-56-6).

**CERCLA/SARA Section 302 EHS:** None above reporting de minimis

**CERCLA/SARA Section 311/312:** Fire, Immediate Health, Delayed Health, Reactive

**CERCLA/SARA Section 313:** This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).  
Xylenes (CAS# 1330-20-7). Ethylbenzene (CAS# 100-41-4).

**CERCLA Reportable quantity:** Xylenes (CAS# 1330-20-7) 100 lbs. (45.4 kg)  
Ethylbenzene (CAS# 100-41-4) 1,000 lbs. (454 kg)

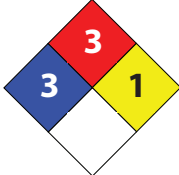
**California Proposition 65:** This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**15.2 Canada Regulatory Information**



**CEPA DSL/NDSL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

**16. Other Information**

**16.1**      **NFPA**                      **HMIS**                      **PPE**      **Transport**      **Symbol**



HEALTH HAZARD	3
FIRE HAZARD	3
REACTIVITY	1

**16.2 SDS:** UV QDT Urethane Top Coat

**16.3 Product ID:** 294007057N

**16.4 SDS Revision Level:** 2.0

**16.5 SDS Revision Date:** 23 September 2017

**16.6 Revision Reason(s):** To add ChemTel Emergency Phone Numbers.

**16.7 Notice to Reader:** To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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