



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** CCW-503ARLO

**Product Use:** Top Deck Coat

**Manufacturer/Supplier**

Carlisle Coatings & Waterproofing Incorporated  
900 Hensley Lane  
Wylie, TX 75098

**Internet Address:** www.Carlisle-CCW.com

**Fax Number:** (972) 442-0076

**Phone Numbers**

**Medical Emergency:**

**CHEMTREC (USA):** (800) 424-9300

**CHEMTREC (International):**

**MSDS Assistance:** (972) 442-6545

**Fax On Demand:** NA

**Technical Assistance:** (888) 229-2199

**Customer Service:** (888) 229-0199

### 2. COMPONENT INFORMATION

Component	CAS No.	Percent Range	Hazardous in Blend
Toluene diisocyanate	26471-62-5	0.0-0.1	Yes
2-(2-ethoxyethoxy)ethyl acetate	112-15-2		No
Synthetic isoparaffinic hydrocarbon	64742-48-9	11-13	Yes
Quartz	14808-60-7		No
Talc; magnesium silicate	14807-96-6		No

### 3. HAZARDS IDENTIFICATION

**Emergency and Hazards Overview:**

Causes severe irritation to eyes and skin. May be harmful if swallowed. Read and understand all health and safety information on the product label and Material Safety Data Sheet before use.

**Ratings**

**Health** 2 **Flammability** 2 **Reactivity** 1

**Primary Route of Exposure:** Skin x Inhalation x Eye x Ingestion

**Health Effect Information**

**Eye Contact:** Causes severe eye irritation if wiped or rubbed into eyes.

**Skin Contact:** Causes severe skin irritation. Some persons may develop skin sensitization.

**Inhalation:** Inhalation may cause nose, throat, and respiratory irritation. May produce CNS depression characterized by giddiness, headache, dizziness and nausea..

**Ingestion:** Moderately toxic. May produce symptoms similar to inhalation.

**Medical Conditions Aggravated by Exposure:** Preexisting eye, skin, and respiratory disorders may be aggravated by exposure.

#### 4. FIRST AID INFORMATION

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**Eye Contact:** Flush with water for 15 minutes. Get medical attention.

**Skin Contact:** Wipe off and flush with water for 15 minutes. Wash skin with soap and water. Immediately remove contaminated clothing and wash before reuse. Leather articles, including shoes, cannot be decontaminated and should be destroyed. Get medical attention.

**Inhalation:** Remove to fresh air. If breathing has stopped, start artificial respiration. Oxygen may be administered. Get medical attention.

**Ingestion:** Consult a physician immediately. Do not induce vomiting unless directed to do so by a physician.

**Notes to Physician:** This product contains aromatic and aliphatic hydrocarbon solvents and isocyanate.

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#### 5. FIRES AND EXPLOSION INFORMATION

**Flammable Properties**

**Flash Point:** 131°F

**Test Method:** TCC

**Flame extension:** NA

**Test Method:** NA

**Flammable Limits in Air (77°F)**

**Upper Percent:** 9.8

**Lower Percent:** 1.3

**Auto ignition Temperature:** NA

**Test Method:** NA

**Extinguishing Media:** CO<sub>2</sub>, foam, dry chemical.

**Fire Fighting Measures**

**Special Fire Fighting Procedures and Equipment:** Avoid the use of water. Wear NIOSH/OSHA approved, self-contained breathing apparatus and full protective gear.

**Unusual Fire and Explosion Conditions:** Closed containers may explode when exposed to extreme heat or burst. Containers may be cooled with water.

**Hazardous Combustion By-Products:** carbon dioxide, carbon monoxide, HCN, NO<sub>x</sub>, hydrocarbon fragments.

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#### 6. ACCIDENTAL RELEASE MEASURES

**Personnel Safeguards:** Eliminate any ignition sources and ventilate area. Evacuate non-essential personnel. Clean-up responders should put on required personal protective equipment.

**Regulatory Notifications:**

Spill reporting requirements and reportable quantities vary by region. Consult all applicable state and local regulations. For Canada, observe all precautions noted above.

**Containment and Clean up:** Dike with inert absorbent material. Prevent spill from entering drinking water supplies, sewers, or waterways. Cover spill with inert absorbent material and remove for disposal.

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## 7. HANDLING AND STORAGE INFORMATION

**Handling:** Avoid prolonged contact with skin. Use solvent resistant gloves. Avoid rubbing eyes while handling. The cured coating produces hazardous dust when it is subjected to operations such as milling, sawing, or sanding.

**Storage:** Store in a protected, cool (50°F- 85°F), ventilated, dry, environment away from direct sunlight. Avoid heat, sparks, open flames, electrical equipment, welding torches, pilot lights, etc. Keep containers tightly closed.

### Empty Container Warnings

**Drums:** Do not reuse empty drums or containers. Do not cut, drill, grind, or weld on or near the empty drums.

**Plastic:** NA

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

### Exposure Limits and Guidelines

Component	CAS No.	Exposure Limit
Quartz (respirable)	14808-60-7	0.05 mg/m <sup>3</sup> TWA, NIOSH
Toluene diisocyanate	26471-62-5	0.005 ppm OSHA PEL
2-(2-ethoxyethoxy)ethyl acetate	112-15-2	ACGIH NOT ESTABLISHED
Synthetic isoparaffinic hydrocarbon	64742-48-9	300 ppm (EXXON)

### Personal Protective Equipment

**Eye/Face Protection:** Wear safety goggles. Remove contact lenses.

**Skin Protection:** Use protective, solvent resistant rubber gloves.

**Respiratory Protection:** Provide adequate ventilation to maintain vapors below PEL/TWA. If vapor levels are exceeded, use NIOSH approved respirator, both during and immediately after application, until vapor levels are below limits.

**Personal Hygiene:** Avoid rubbing eyes during handling. Use good personal hygiene practices to avoid incidental ingestion.

### Engineering Controls / Work Practices

**Ventilation:** Provide local exhaust or area ventilation to maintain concentration of vapors below PEL/TWA.

**Other:** Source of clean water should be available in the work area for flushing eyes and skin. Wash thoroughly with soap and water after use and before eating.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b> Various color viscous liquid	<b>Vapor Pressure:</b> NA
<b>Odor:</b> low odor	
<b>Physical state:</b> viscous liquid	<b>Vapor Density (air=1):</b> > air
<b>pH:</b> NA	<b>Percent Volatile by Volume:</b> NA
<b>DOT Corrosivity:</b> NA	<b>Volatile Organic Content:</b> 304 g/L
<b>Boiling Point:</b> NA	<b>Molecular Weight:</b> NA
<b>Melting Point:</b> NA	<b>Average Carbon Number:</b> NA
<b>Density:</b> 9.50 lbs/gal	
<b>Pour Point:</b> NA	
<b>Solubility in Water:</b> negligible	
<b>Octanol / Water Coefficient:</b> NA	

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**10. STABILITY AND REACTIVITY INFORMATION**

**Chemical Stability:** Stable

**Conditions to Avoid:** Avoid extreme heat, fire and temperature.

**Incompatible Materials to Avoid:** Avoid water, strong acids, strong bases, and strong oxidizers.

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**11. TOXICOLOGICAL INFORMATION (will only print available data)**

**Primary Eye Irritation:** Yes

**Primary Skin Irritation:** Yes

**Acute Dermal Toxicity:** NA

**Sub acute Dermal Toxicity:** NA

**Dermal Sensitization:** Yes

**Inhalation Toxicity:** Yes

**Inhalation Sensitization:** Yes

**Oral Toxicity:** Yes

**Mutagenicity:** NA

**Carcinogenicity:** Toluene diisocyanate is a suspected carcinogen. When ingested, TDI has caused cancer in certain animals. This product crystalline silica (quartz) which is known to the state of California to cause cancer.

**Reproductive Toxicity:** NA

**Teratogenicity:** NA

**Immunotoxicity:** NA

**Neurotoxicity:** NA

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No other toxicological information available

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## 12. ECOLOGICAL INFORMATION

No data available.

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## 13. DISPOSAL INFORMATION

**Regulatory Information:** Consult all regulations (federal, state, provincial, local etc.) or a qualified waste disposal firm when characterizing waste for disposal.

**Waste Disposal Methods:** Recover free liquid. Absorb residue and dispose of according to local, state and Federal EPA regulation. Empty container: may contain explosive vapors. Do Not cut, puncture or weld on or nearby.

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## 14. TRANSPORTATION INFORMATION

**U.S. Department of Transportation (DOT) – 49 CFR 172.101**

**Highway/Rail:** Combustible liquid, NA 1993, PG III

The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for all shipping descriptions.

### International Information

**Vessel: IMDG Regulated:** Class 3, Paint, flammable liquid, UN1263 , PG III

**Air: ICAO Regulated:** Class 3, Paint, flammable liquid, UN1263 , PG III

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## 15. Regulatory Information

**U.S. TSCA Inventory:** All components of this material are on the US TSCA Inventory or exempt from listing on the TSCA Inventory.

**Sara Section 313:** This product contains the following Sara, Title III, Section 313 Chemicals:

<u>Chemical</u>	<u>CAS Number</u>	<u>Percent in Product</u>
Toluene-2,4- diisocyanate	584-84-9	0.0-0.1
2-(2-ethoxyethoxy)ethyl acetate	112-15-2	13-17

### SARA 311 / 312 Categories

**Acute:**   X   **Chronic:**   X   **Fire:**   X   **Pressure:**   X   **Reactive:**   X    
**Regulated:**

**California Proposition 65 Information: Warning!** This product contains quartz and is known to the state of California to cause cancer.

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## 16. OTHER INFORMATION

### Health and Environmental Label Language

All ingredients contained in this product are included on the US EPA Toxic Substances Control Act (TSCA) inventory or exempt from listing on the TSCA inventory. All ingredients contained in this product comply with the requirements of the Canadian Environmental Protection Act (CEPA) and are listed on the Domestic Substance List (DSL) or Non-Domestic Substance List (NDSL).

### MSDS Revisions

**Previous Version Date:** 12/20/00

**Prepared By:** Douglas E. Johnston Jr.      **Date:** 11/20/06

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