



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: CCW-503HS

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	Hazardous in Blend
Aromatic hydrocarbon solvent	64742-95-6	8.6-14.0	Yes
Aliphatic diisocyanate	4098-71-9	0.0-0.1	Yes
1-methoxy-2-propyl acetate	108-65-6	11-14	Yes
Toluene diisocyanate	26471-62-5	0.0-0.1	Yes
Blocked cycloaliphatic diamine	054914-37-3	0.1-2.0	Yes
Aromatic amine	101-77-9	0.1-1.0	Yes
1,2,4-trimethylbenzene	95-63-6	4.8-8.4	Yes
xylene	1330-20-7	0-0.4	Yes
cumene	98-82-8	0-0.4	Yes
Talc; magnesium silicate	14807-96-6		No
Polyester polyol	27925-07-1		No
Polyether diol	25322-69-4		No
Quartz	14808-60-7		No
Titanium dioxide	13463-67-7		No
Polyether polyol	25723-16-4		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

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.

5. FIRES AND EXPLOSION INFORMATION

Flammable Properties

Flash Point: 100 °F

Test Method: TCC

Flame extension: NA

Test Method: NA

Flammable Limits in Air

Upper Percent: 7.0

Lower Percent: 1.0

Auto ignition Temperature: NA

Test Method: NA

Extinguishing Media: CO₂, 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_x, hydrocarbon fragments.

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.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

Exposure Limits and Guidelines

Component	CAS No.	Exposure Limit
Quartz (respirable)	14808-60-7	0.05 mg/m ³ TWA, NIOSH
Toluene diisocyanate	26471-62-5	0.005 ppm OSHA PEL
Aromatic hydrocarbon solvent	64742-95-6	None established
Aliphatic diisocyanate	4098-71-9	0.005ppm OSHA PEL
Aromatic amine	101-77-9	0.1 ppm ACGIH TLV
Blocked cycloaliphatic diamine	054914-37-3	N.E.
1-methoxy-2-propyl acetate	108-65-6	100 ppm TWA
1,2,4-trimethylbenzene	95-63-6	None established
xylene	1330-20-7	100 ppm OSHA TWA
cumene	98-82-8	50 ppm OSHA TWA (skin)

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Various color viscous liquid	Vapor Pressure: 3.7 mm Hg @ 20°C
Odor: typical solvent odor	
Physical state: viscous liquid	Vapor Density (air=1): > air
pH: NA	Percent Volatile by Volume: NA
DOT Corrosivity: NA	Volatile Organic Content: 340 g/L
Boiling Point: 284 – 500°F	Molecular Weight: NA
Melting Point: NA	Average Carbon Number: NA
Density: 9.3 lbs/gal	
Pour Point: NA	
Solubility in Water: negligible	
Octanol / Water Coefficient: NA	

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.

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 contains benzene and crystalline silica (quartz) which are known to the state of California to cause cancer.

Reproductive Toxicity: This product contains benzene which is known to the state of California to cause reproductive harm.

Teratogenicity: NA

Immunotoxicity: NA

Neurotoxicity: NA

No other toxicological information available

12. ECOLOGICAL INFORMATION

No data available.

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.

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

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
Aliphatic diisocyanate	4098-71-9	0.0-0.1
1,2,4-trimethylbenzene	95-63-6	4.8-8.4
xylene	1330-20-7	0-0.4
cumene	98-82-8	0-0.4

SARA 311 / 312 Categories

Acute: X Chronic: X Fire: X Pressure: X Reactive: X

Regulated:

California Proposition 65 Information: Warning! This product contains benzene and crystalline silica (quartz) which are known to the state of California to cause cancer.

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: Revision to Section 2

Previous Version Date: 1/19/05

Prepared By: Douglas E. Johnston Jr.

Date: 11/20/06

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