

## Safety Data Sheet

Material Name: CCW Liquideck Part B

Product #: 305009

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### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

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**Material Name**

CCW Liquideck Part B

**Synonyms**

Solvent free polyurethane waterproofing/surfacing compound

**Chemical Family**

Polyurethane formulations

**Restrictions on Use**

For industrial use only.

**Phone Numbers:**

Medical Emergency

CHEMTREC (USA): 800-424-9300

MSDS Assistance; 972-442-6545

Technical Assistance: 888-229-2199

Customer Service: 888-229-0199

**Manufacturer Information**

Carlisle Coatings and Waterproofing  
900 Hensley Lane  
Wylie, TX 75098  
www.carlisleccw.com

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### Section 2 - HAZARDS IDENTIFICATION

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**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**

Skin Corrosion/Irritation - Category 2

Serious Eye Damage/Eye Irritation - Category 2A

Respiratory Sensitization - Category 1A

Skin Sensitization - Category 1A

Carcinogenicity - Category 1B

Specific Target Organ Toxicity - Single Exposure - Category 3

Specific Target Organ Toxicity - Repeated Exposure - Category 1 ( respiratory system )

**GHS Label Elements**

**Symbol(s)**



**Signal Word**

Danger

**Hazard Statement(s)**

Causes skin irritation

Causes serious eye irritation

May cause allergic or asthmatic symptoms or breathing difficulties if inhaled

May cause allergic skin reaction

May cause cancer

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May cause respiratory irritation

Causes damage to organs through prolonged or repeated exposure

### Precautionary Statement(s)

#### Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use only outdoors or in a well-ventilated area

Wear protective gloves/protective clothing/eye protection/face protection

Do not breathe dust/fume/gas/mist/vapours/spray

Wear respiratory protection

Wash thoroughly after handling

Contaminated work clothing must not be allowed out of the workplace

Do not eat, drink or smoke when using this product

#### Response

IF exposed or concerned: Get medical advice/attention

IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing

If experiencing respiratory symptoms: Call a POISON CENTER/doctor

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of soap and water

If skin irritation or rash occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

Specific treatment (see label)

#### Storage

Store in a well-ventilated place. Keep container tightly closed

Store locked up

#### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations

#### Other Hazards

No additional information available.

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### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

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CAS	Component Name	Percent
Trade Secret	Extracts, petroleum, heavy paraffinic distillate solvent	10-30
7704-34-9	Sulfur	0.1-1
101-68-8	4,4'-Methylenediphenyl diisocyanate	15-40
26447-40-5	Diphenylmethane diisocyanate	30-60
78-40-0	Triethyl phosphate	0.5-1.5

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### Section 4 - FIRST AID MEASURES

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#### Description of Necessary Measures

IF exposed or concerned: Get medical advice/attention.

#### Inhalation

Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

#### Skin

Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs, seek medical advice/attention.

#### Eyes

Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

#### Ingestion

Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.

#### Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

#### Most Important Symptoms/Effects

##### Acute

Causes skin irritation. Causes serious eye irritation. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. May cause respiratory irritation.

##### Delayed

May cause cancer. Causes damage to lungs and respiratory system through prolonged or repeated exposure.

#### Note to Physicians

Contains Isocyanate

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### Section 5 - FIRE FIGHTING MEASURES

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#### Extinguishing Media

##### Suitable Extinguishing Media

Dry chemical, foam or carbon dioxide.

##### Unsuitable Extinguishing Media

Do not use water.

#### Special Hazards Arising from the Chemical

At elevated temperatures, Will react violently with water.

#### Hazardous Combustion Products

Oxides of carbon, oxides of nitrogen, hydrogen cyanide, hydrocarbons

#### Fire Fighting Measures

Do not reseal contaminated containers. Containers may rupture or explode if exposed to heat.

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### **Special Protective Equipment and Precautions for Firefighters**

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

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## **Section 6 - ACCIDENTAL RELEASE MEASURES**

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### **Personal Precautions, Protective Equipment and Emergency Procedures**

Wear personal protective clothing and equipment, see Section 8.

### **Methods and Materials for Containment and Cleaning Up**

Eliminate all ignition sources if safe to do so. Absorb with earth, sand or other non-combustible material and transfer to container. Dispose in accordance with all applicable regulations.

### **Environmental Precautions**

Avoid release to the environment.

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## **Section 7 - HANDLING AND STORAGE**

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### **Precautions for Safe Handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wear respiratory protection. Avoid contact with eyes, skin and clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. KEEP OUT OF REACH OF CHILDREN.

### **Conditions for Safe Storage, Including any Incompatibilities**

Store in a well-ventilated place. Keep container tightly closed

Store locked up

Store below 95 F. Keep away from heat and ignition sources. Do not cut, puncture, or weld on or near this container. Keep away from incompatible materials.

### **Incompatible Materials**

Water, alcohols, amines, metal compounds, zinc, aluminum, Brass, copper, strong acids, strong oxidizing agents

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## **Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

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### **Component Exposure Limits**

<b>4,4'-Methylenediphenyl diisocyanate</b>	101-68-8	
ACGIH:	0.005 ppm TWA	
NIOSH:	0.005 ppm TWA; 0.05 mg/m3 TWA	75 mg/m3 IDLH
	0.02 ppm Ceiling 10 min; 0.2 mg/m3 Ceiling 10 min	

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OSHA (US):	0.02 ppm Ceiling; 0.2 mg/m3 Ceiling
<b>Diphenylmethane diisocyanate</b>	26447-40-5
OSHA (US):	0.02 ppm Ceiling; 0.2 mg/m3 Ceiling
Mexico:	0.02 ppm TWA LMPE-PPT; 0.2 mg/m3 TWA LMPE-PPT; 0.005 ppm TWA LMPE-PPT as Methylene bisphenyl isocyanate; 0.051 mg/m3 TWA LMPE-PPT as Methylene bisphenyl isocyanate

### Biological limit value

There are no biological limit values for any of this product's components.

### Engineering Controls

Provide adequate ventilation. Ensure compliance with applicable exposure limits.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eye/face protection

Wear chemical safety goggles.

#### Skin Protection

Wear appropriate work clothing.

#### Respiratory Protection

A NIOSH approved respirator with a dust, mist, and fume filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits or when symptoms have been observed that are indicative of overexposure.

#### Glove Recommendations

Wear appropriate chemical resistant gloves.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	amber liquid	<b>Physical State</b>	liquid
<b>Odor</b>	Slight	<b>Color</b>	amber
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	550 °F
<b>Freezing point</b>	Not available	<b>Evaporation Rate</b>	<0.01
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition</b>	Not available	<b>Flash Point</b>	220 °F
<b>Lower Explosive Limit</b>	Not available	<b>Decomposition</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	<1 (@ 20 °C)
<b>Vapor Density (air=1)</b>	>1	<b>Specific Gravity (water=1)</b>	Not available

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<b>Water Solubility</b>	Not available	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	Not available	<b>Solubility (Other)</b>	Not available
<b>Density</b>	1.1 (relative)	<b>VOC</b>	<10 g/L

**Other Information**

No additional information available.

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**Section 10 - STABILITY AND REACTIVITY**

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**Reactivity**

At elevated temperatures, Reacts violently with water.

**Chemical Stability**

Stable under normal conditions of use.

**Possibility of Hazardous Reactions**

Hazardous polymerization will not occur.

**Conditions to Avoid**

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with temperatures above 160°C. Avoid contact with water or incompatible materials.

**Incompatible Materials**

Water, alcohols, amines, metal compounds, zinc, aluminum, Brass, copper, strong acids, strong oxidizing agents

**Hazardous decomposition products**

Oxides of carbon, oxides of nitrogen, hydrogen cyanide, hydrocarbons

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**Section 11 - TOXICOLOGICAL INFORMATION**

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**Information on Likely Routes of Exposure****Inhalation**

May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause respiratory irritation.

**Skin Contact**

Causes skin irritation. May cause allergic skin reaction.

**Eye Contact**

Causes serious eye irritation.

**Ingestion**

May cause gastrointestinal irritation.

**Acute and Chronic Toxicity****Component Analysis - LD50/LC50**

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Extracts, petroleum, heavy paraffinic distillate solvent (Trade Secret)

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Oral LD50 Rat >5 g/kg  
 Dermal LD50 Rabbit >2000 mg/kg  
 Sulfur (7704-34-9)  
 Oral LD50 Rat >3000 mg/kg  
 Dermal LD50 Rabbit >2000 mg/kg  
 Inhalation LC50 Rat >9.23 mg/L 4 h  
 Polyalkylene glycol (Mixture)  
 Oral LD50 Rat >4000 mg/kg  
 Dermal LD50 Rabbit >10000 mg/kg  
 Inhalation LC50 Rat 320 mg/m<sup>3</sup> 4 h  
 4,4'-Methylenediphenyl diisocyanate (101-68-8)  
 Oral LD50 Rat 31600 mg/kg  
 Inhalation LC50 Rat 369 mg/m<sup>3</sup> 4 h  
 Diphenylmethane diisocyanate (26447-40-5)  
 Oral LD50 Rat >7400 mg/kg  
 Dermal LD50 Rabbit >6200 mg/kg  
 Inhalation LC50 Rat 0.369 mg/L 4 h  
 Triethyl phosphate (78-40-0)  
 Oral LD50 Rat 1100 - 1600 mg/kg

### Immediate Effects

Causes skin irritation. Causes serious eye irritation. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. May cause respiratory irritation.

### Delayed Effects

May cause cancer. Causes damage to lungs and respiratory system through prolonged or repeated exposure.

### Irritation/Corrosivity Data

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

### Respiratory Sensitization

May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.

### Dermal Sensitization

May cause allergic skin reaction.

### Component Carcinogenicity

<b>4,4'-Methylenediphenyl diisocyanate</b>	101-68-8
IARC:	Monograph 71 [1999]; Supplement 7 [1987]; Monograph 19 [1979] (Group 3 (not classifiable))
DFG:	Category 4 (no significant contribution to human cancer)
<b>Diphenylmethane diisocyanate</b>	26447-40-5
IARC:	Monograph 71 [1999]; Supplement 7 [1987]; Monograph 19 [1979] (Group 3 (not classifiable))

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**Germ Cell Mutagenicity**

No data available.

**Tumorigenic Data**

No data available

**Reproductive Toxicity**

No data available.

**Specific Target Organ Toxicity - Single Exposure**

No target organs identified.

**Specific Target Organ Toxicity - Repeated Exposure**

Respiratory system

**Aspiration hazard**

Not expected to be an aspiration hazard.

**Medical Conditions Aggravated by Exposure**

No data available.

**Additional Data**

No additional information available.

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### Section 12 - ECOLOGICAL INFORMATION

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**Ecotoxicity**

Avoid release to the environment.

**Component Analysis - Aquatic Toxicity**

<b>Extracts, petroleum, heavy paraffinic distillate solvent</b>	Trade Secret
Invertebrate:	EC50 48 h Daphnia magna 1.4 mg/L IUCLID
<b>Sulfur</b>	7704-34-9
Fish:	LC50 96 h Brachydanio rerio 866 mg/L [static]; LC50 96 h Lepomis macrochirus <14 mg/L [static]; LC50 96 h Oncorhynchus mykiss >180 mg/L [static]

**Persistence and Degradability**

No information available for the product.

**Bioaccumulative Potential**

No information available for the product.

**Mobility**

No information available for the product.

**Other Toxicity**

No additional information available.



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**Section 13 - DISPOSAL CONSIDERATIONS**

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**Disposal Methods**

Dispose of contents/container in accordance with local/regional/national/international regulations.

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**Section 14 - TRANSPORT INFORMATION**

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**US DOT Information:**

UN/NA #: Not regulated

**IATA Information:**

UN#: Not regulated

**IMDG Information:**

UN#: Not regulated

**TDG Information:**

UN#: Not regulated

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**Section 15 - REGULATORY INFORMATION**

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**U.S. Federal Regulations**

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

4,4'-Methylenediphenyl diisocyanate	101-68-8
SARA 313:	1 % de minimis concentration
CERCLA:	5000 lb final RQ; 2270 kg final RQ

**SARA Section 311/312 (40 CFR 370 Subparts B and C)****Acute Health:** Yes **Chronic Health:** Yes **Fire:** Yes **Pressure:** No **Reactivity:** Yes**U.S. State Regulations**

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Extracts, petroleum, heavy paraffinic distillate solvent	Trade Secret	No	Yes	No	No	No
Sulfur	7704-34-9	Yes	Yes	No	Yes	Yes
4,4'-Methylenediphenyl diisocyanate	101-68-8	Yes	Yes	Yes	No	Yes
Diphenylmethane diisocyanate	26447-40-5	No	Yes	No	Yes	No

**Not listed under California Proposition 65**

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### Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

4,4'-Methylenediphenyl diisocyanate	101-68-8
	0.1 %

### Component Analysis - Inventory

Extracts, petroleum, heavy paraffinic distillate solvent (Trade Secret)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes

Sulfur (7704-34-9)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes

Polyalkylene glycol (Mixture)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	No	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No

4,4'-Methylenediphenyl diisocyanate (101-68-8)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Diphenylmethane diisocyanate (26447-40-5)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Triethyl phosphate (78-40-0)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No

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### Section 16 - OTHER INFORMATION

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#### HMIS Rating

Health: 2\* Fire: 1 Reactivity: 1

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

#### NFPA Ratings

Health: 2 Fire: 1 Reactivity: 1

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

#### Summary of Changes

New SDS: May 11, 2015

#### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH - Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

#### Other Information

##### Disclaimer:

The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, CCWI Company must rely upon the hazard evaluation of such components submitted by that product's manufacturer or importer. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use