Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name
CCW-500

Synonyms
Rubberized asphalt

Chemical Family
Rubber modified ASPHALT

Product Use
Waterproofing membrane: Professional use only.

Restrictions on Use
None known

Manufacturer Information
Carlisle Coatings and Waterproofing, Inc.
900 Hensley Lane
Wylie, TX 75098
USA
Phone: 972-442-6545
Emergency Phone #: +1-469-853-2879
E-mail: dcotsakis@ccw.carlisle.com

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.
Skin Corrosion/Irritation - Category 2
Serious Eye Damage/Eye Irritation - Category 2B
Skin Sensitization - Category 1A
Carcinogenicity - Category 1A
Hazardous to the Aquatic Environment - Acute - Category 3

GHS Label Elements

Symbol(s)

Signal Word
Danger

Hazard Statement(s)
Causes skin irritation
Causes eye irritation
May cause allergic skin reaction
May cause cancer
Harmful to aquatic life

Precautionary Statement(s)

Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Do not breathe dust/fume/gas/mist/vapours/spray
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
Avoid release to the environment

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
Call a POISON CENTER or doctor if you feel unwell
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)
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

Storage
Store in a well-ventilated area
Keep container tightly closed
Store locked up

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

Other Hazards
Contact with hot material may cause thermal burns.

---

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component Name</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-52-5</td>
<td>Distillates, petroleum, hydrotreated heavy naphthenic</td>
<td>5.86</td>
</tr>
<tr>
<td>8002-74-2</td>
<td>Paraffin waxes and hydrocarbon waxes</td>
<td>2.27</td>
</tr>
<tr>
<td>1317-65-3</td>
<td>Limestone</td>
<td>40</td>
</tr>
<tr>
<td>136-23-2</td>
<td>Zinc, bis(dibutylcarbamodithioato-S,S)-, (T-4)-</td>
<td>0.17</td>
</tr>
</tbody>
</table>
Section 4 - FIRST AID MEASURES

Description of Necessary Measures
IF exposed or concerned: Get medical advice/attention.

Inhalation
Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician.

Skin
Wash with plenty of soap and water. If skin irritation or rash occurs, seek medical advice/attention. Take off contaminated clothing and wash before re-use. Hot material may cause burns. For thermal burns, cool affected areas as quickly as possible by drenching or immersing in water until material solidifies. Do not remove solidified material from the skin. Get immediate medical 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. For the molten form: Continue irrigating with normal saline until ready to transport to hospital.

Ingestion
If a large amount is swallowed, get medical attention.

Most Important Symptoms/Effects
Acute
May cause allergic skin reactions, eye irritation, skin irritation. Contact with the heated substance may cause thermal burns.

Delayed
May cause cancer. Repeated and prolonged contact may cause slight irritation. Liver damage has been reported in animal studies. Reproductive effects have also been reported in animal studies.

Note to Physicians
Mineral oil, vegetable oil, or petroleum jelly may help soften the bonding between skin surfaces.
Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media
Suitable Extinguishing Media
Use carbon dioxide, regular dry chemical, regular foam or water. Use water spray to keep containers cool.

Special Hazards Arising from the Chemical
No known hazards.

Hazardous Combustion Products
oxides of carbon, hydrocarbons.

Special Protective Equipment and Precautions for Firefighters
Wear self-contained breathing apparatus with a full facepiece and protective clothing.

Fire Fighting Measures
Wear self-contained breathing apparatus with a full facepiece and protective clothing.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
Wear personal protective clothing and equipment, see Section 8.

Methods and Materials for Containment and Cleaning Up
Keep unnecessary people away, isolate hazard area and deny entry. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Stop leak if possible without personal risk. Small spills: Absorb with earth, sand or other non-combustible material and transfer to container. Large spills: Dike for later disposal. Eliminate all sources of ignition. Do not flush into sanitary sewer systems, drains or surface water. Once cool, product hardens, will not flow and is not volatile. Dispose in accordance with all applicable regulations.

Environmental Precautions
Avoid release to the environment.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/clothing and eye/face protection. Do not breathe vapor or mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Observe good hygiene and safety practices when handling this product.

Conditions for Safe Storage, Including any Incompatibilities
Store in a well-ventilated area
Keep container tightly closed
Store locked up
Store in a cool, dry place. When not in use, keep containers tightly closed. Keep away from incompatible materials.

**Incompatible Materials**
Strong oxidizing materials, strong acids.

---

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

**Component Exposure Limits**

<table>
<thead>
<tr>
<th>Paraffin waxes and hydrocarbon waxes</th>
<th>8002-74-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH: 2 mg/m³ TWA fume</td>
<td></td>
</tr>
<tr>
<td>NIOSH: 2 mg/m³ TWA fume</td>
<td></td>
</tr>
<tr>
<td>Mexico: 2 mg/m³ TWA LMPE-PPT fume</td>
<td>6 mg/m³ STEL [LMPE-CT] fume</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Zinc oxide</th>
<th>1314-13-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH: 2 mg/m³ TWArrespirable fraction</td>
<td>10 mg/m³ STEL res respirable fraction</td>
</tr>
<tr>
<td>NIOSH: 5 mg/m³ TWA dust and fume</td>
<td>10 mg/m³ STEL fume</td>
</tr>
<tr>
<td>15 mg/m³ Ceiling dust</td>
<td></td>
</tr>
<tr>
<td>500 mg/m³ IDLH</td>
<td></td>
</tr>
<tr>
<td>OSHA (US): 5 mg/m³ TWA fume; 15 mg/m³ TWA total dust; 5 mg/m³ TWArrespirable fraction</td>
<td></td>
</tr>
<tr>
<td>Mexico: 5 mg/m³ TWA LMPE-PPT fume; 10 mg/m³ TWA LMPE-PPT dust</td>
<td></td>
</tr>
<tr>
<td>10 mg/m³ STEL [LMPE-CT] fume</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Limestone</th>
<th>1317-65-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIOSH: 10 mg/m³ TWA total dust; 5 mg/m³ TWArrespirable dust</td>
<td></td>
</tr>
<tr>
<td>OSHA (US): 15 mg/m³ TWA total dust; 5 mg/m³ TWArrespirable fraction</td>
<td></td>
</tr>
<tr>
<td>Mexico: 10 mg/m³ TWA LMPE-PPT</td>
<td>20 mg/m³ STEL [LMPE-CT]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Asphalt</th>
<th>8052-42-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH: 0.5 mg/m³ TWA as benzene soluble aerosol fume, inhalable fraction</td>
<td></td>
</tr>
</tbody>
</table>
**Safety Data Sheet**

**Material Name:** CCW-500

**Product #:** 305364

| NIOSH: | 5 mg/m³ Ceilingfume 15 min |
| Mexico: | 5 mg/m³ TWA LMPE-PPT 10 mg/m³ STEL [LMPE-CT] |

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

**Engineering Controls**
Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits. Follow NIOSH guidelines for controlling exposure to fumes that are found in "Asphalt Fume Exposures During the Application of Hot Asphalt to Roofs DHHS (NIOSH) Publication No. 2003-112 (June 2003).

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

**Eye/face protection**
Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**Skin Protection**
Wear chemical resistant, insulated gloves.

**Respiratory Protection**
Provide adequate ventilation. In case of inadequate ventilation wear respiratory protection.

**Glove Recommendations**
Wear appropriate chemical resistant gloves.

---

**Section 9 - PHYSICAL AND CHEMICAL PROPERTIES**

| Appearance | solid | Physical State | solid |
| Odor | ASPHALT | Color | Black |
| Odor Threshold | Not available | pH | Not available |
| Melting Point | Not available | Boiling Point | >500 F |
| Freezing point | Not available | Evaporation Rate | Not available |
| Boiling Point Range | Not available | Flammability (solid, gas) | Not available |
| Autoignition | Not available | Flash Point | >450 F |
| Lower Explosive Limit | Not available | Decomposition | Not available |
| Upper Explosive Limit | Not available | Vapor Pressure | Not available |
| Vapor Density (air=1) | Not available | Specific Gravity (water=1) | Not available |
| Water Solubility | Not Soluble | Partition coefficient: n-octanol/water | Not available |
| Viscosity | Solid | Solubility (Other) | Not available |
| Density | 1.3 | VOC | None |
Section 10 - STABILITY AND REACTIVITY

Reactivity
Not known to occur.

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.

Incompatible Materials
strong acids. Strong oxidizer.

Hazardous decomposition products
Oxes of carbon, hydrocarbons.

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation
Vapors or mist may cause respiratory tract irritation.

Skin Contact
Causes skin irritation. May cause an allergic skin reaction. Contact with hot material may cause thermal burns.

Eye Contact
May cause eye irritation. Contact with hot material may cause thermal burns.

Ingestion
No information available for the product.

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:
Paraffin waxes and hydrocarbon waxes (8002-74-2)
   Oral LD50Rat >3750 mg/kg
   Dermal LD50Rabbit >3600 mg/kg
Tallex Tall Oil Pitch (8016-81-7)
   Oral LD50Rat >3200 mg/kg
Zinc oxide (1314-13-2)
   Oral LD50Rat >5000 mg/kg
Asphalt (8052-42-4)
**Immediate Effects**
Causes skin irritation, eye irritation, allergic reactions.

**Delayed Effects**
No information on significant adverse effects.

**Irritation/Corrosivity Data**
skin irritation, eye irritation.

**Respiratory Sensitization**
No information available for the product.

**Dermal Sensitization**
No information available for the product.

### Component Carcinogenicity

<table>
<thead>
<tr>
<th>Component</th>
<th>IARC</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solprene SBS 411</td>
<td>IARC: Supplement 7 [1987]; Monograph 19 [1979](Group 3 (not classifiable))</td>
<td>A4 - Not Classifiable as a Human Carcinogen (fume, coal tar-free)</td>
</tr>
<tr>
<td>Asphalt</td>
<td>8052-42-4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IARC: Monograph 103 [2013]; Supplement 7 [1987] (extracts of steam-refined and air-refined); Monograph 35 [1985](Group 2B (possibly carcinogenic to humans))</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DFG: Category 2 (considered to be carcinogenic for man, aerosol and vapor)</td>
<td></td>
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<tr>
<td></td>
<td>OSHA: Present</td>
<td></td>
</tr>
<tr>
<td>Asphalt, oxidized</td>
<td>IARC: Monograph 103 [2013] (and their emissions during roofing) (Group 2A (probably carcinogenic to humans))</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OSHA: Present</td>
<td></td>
</tr>
</tbody>
</table>
Residues (petroleum), vacuum

<table>
<thead>
<tr>
<th>Residues (petroleum), vacuum</th>
<th>64741-56-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC:</td>
<td>Monograph 103 [2013](Group 2B (possibly carcinogenic to humans))</td>
</tr>
<tr>
<td>OSHA:</td>
<td>Present</td>
</tr>
</tbody>
</table>

**Germ Cell Mutagenicity**
No information available for the product.

**Reproductive Toxicity**
No information available for the product.

**Specific Target Organ Toxicity - Single Exposure**
No target organs identified.

**Specific Target Organ Toxicity - Repeated Exposure**
No target organs identified.

**Aspiration hazard**
No data available.

**Medical Conditions Aggravated by Exposure**
This substance contains polynuclear aromatic hydrocarbons. The presence of polynuclear aromatic hydrocarbons may present a carcinogenic risk with repeated exposure. Respiratory tract damage may result.

**Oxidation:**
May cause cancer.

---

**Section 12 - ECOLOGICAL INFORMATION**

**Ecotoxicity**
Harmful to aquatic life with long lasting effects.

**Component Analysis - Aquatic Toxicity**

<table>
<thead>
<tr>
<th>Component Analysis - Aquatic Toxicity</th>
<th>64742-52-5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates, petroleum, hydrotreated heavy naphthenic</td>
<td></td>
</tr>
<tr>
<td>Fish: LC50 96 h Oncorhynchus mykiss &gt;5000 mg/L</td>
<td></td>
</tr>
<tr>
<td>Invertebrate: EC50 48 h Daphnia magna &gt;1000 mg/L IUCLID</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component Analysis - Aquatic Toxicity</th>
<th>8016-81-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tallex Tall Oil Pitch</td>
<td></td>
</tr>
<tr>
<td>Fish: LC50 96 h Brachydano rerio &gt;400 mg/L [static]</td>
<td></td>
</tr>
<tr>
<td>Algae: EC50 72 h Pseudokirchneriella subcapitata &gt;1000 mg/L IUCLID</td>
<td></td>
</tr>
<tr>
<td>Invertebrate: EC50 48 h Daphnia magna &gt;2000 mg/L IUCLID</td>
<td></td>
</tr>
</tbody>
</table>
Zinc, bis(dibutylcarbamodithioato-S,S’)-, (T-4) -

Fish: LC50 96 h Lepomis macrochirus 880 mg/L; LC50 96 h Oncorhynchus mykiss 520 mg/L
Invertebrate: EC50 48 h Daphnia magna 0.74 mg/L IUCLID

Asphalt, oxidized

Algae: EC50 72 h Pseudokirchneriella subcapitata 56 mg/L IUCLID

Distillates, petroleum, petroleum residues vacuum

Fish: LC50 96 h Brachydanio rerio 48 mg/L [semi-static]

Residues (petroleum), vacuum

Fish: LC50 96 h Brachydanio rerio 48 mg/L [semi-static]

Persistence and Degradability
No available data.

Bioaccumulative Potential
No data available.

Mobility
No data available.

Other Toxicity
No data available.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods
Dispose in accordance with all applicable regulations.

Section 14 - TRANSPORT INFORMATION

US DOT Information:
UN/NA #: Not Regulated
Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations
None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA Section 311/312 (40 CFR 370 Subparts B and C)
Acute Health: Yes Chronic Health: Yes Fire: No Pressure: No Reactivity: No

U.S. State Regulations
The following components appear on one or more of the following state hazardous substances lists:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>CA</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
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<tbody>
<tr>
<td>Paraffin waxes and hydrocarbon waxes</td>
<td>8002-74-2</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>1314-13-2</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Limestone</td>
<td>1317-65-3</td>
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<td>Yes</td>
<td>Yes</td>
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<td>Yes</td>
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<tr>
<td>Asphalt</td>
<td>8052-42-4</td>
<td>Yes</td>
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<td>Yes</td>
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<tr>
<td>Asphalt, oxidized</td>
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<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
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</table>

Not listed under California Proposition 65

Canada Regulations
This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.

Canadian WHMIS Ingredient Disclosure List (IDL)
The components of this product are either not listed on the IDL or are present below the threshold limit listed on the IDL.

WHMIS Classification
D2A, D2B

Component Analysis - Inventory
Solprene SBS 411 (9003-55-8)

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<tbody>
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</table>
## Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)

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## Paraffin waxes and hydrocarbon waxes (8002-74-2)

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## Tallex Tall Oil Pitch (8016-81-7)

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## Zinc oxide (1314-13-2)

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<tbody>
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## Limestone (1317-65-3)

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## Zinc, bis(dibutylcarbamodithioato-S,S')-, (T-4)- (136-23-2)

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## Asphalt (8052-42-4)

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</table>
### Section 16 - OTHER INFORMATION

#### Summary of Changes
New SDS: 11/24/2014

#### 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
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