

Safety Data Sheet

Material Name: CCW 711-70

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

CCW 711-70

Synonyms

Self-Adhering Rubberized Asphalt Membrane

Chemical Family

Rubber Asphalt products

Product Use

Waterproofing membrane

Restrictions on Use

For industrial use only.

Manufacturer Information

Carlisle Coatings and Waterproofing, Inc

900 Hensley Lane

Wylie, TX 75098

www.carlisleccw.com

Phone Numbers:

Medical Emergency

CHEMTREC (USA): 800-424-9300

MSDS Assistance; 972-442-6545

Technical Assistance: 888-229-2199

Customer Service: 888-229-0199

Section 2 - HAZARDS IDENTIFICATION

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

Skin Corrosion/Irritation - Category 2

Reproductive Toxicity - Category 1B

Specific Target Organ Toxicity - Single Exposure - Category 2 (liver, kidneys, thymus)

GHS Label Elements

Symbol(s)



Signal Word

Danger

Hazard Statement(s)

Causes skin irritation

May damage fertility or the unborn child

May cause damage to organs

Precautionary Statement(s)

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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
Wash thoroughly after handling
Do not eat, drink or smoke when using this product

Response

If exposed or concerned: Call a POISON CENTER or doctor/physician
IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse

Storage

Store locked up

Disposal

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

Other Hazards

No additional information available.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| CAS | Component Name | Percent |
|------------|---|---------|
| 64742-52-5 | Distillates, petroleum, hydrotreated heavy naphthenic | 5-10 |
| 8052-42-4 | Asphalt | 0-75 |
| 64742-93-4 | Asphalt, oxidized | 0-75 |
| 68955-27-1 | Distillates, petroleum, petroleum residues vacuum | 0-75 |
| 64741-56-6 | Residues, petroleum, vacuum | 0-75 |
| Mixture | Fatty acids, tall-oil, low-boiling | 0 - 4 |

Section 4 - FIRST AID MEASURES

Description of Necessary Measures

If exposed or concerned: Call a POISON CENTER or doctor/physician.

Inhalation

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Inhalation unlikely due to physical form. Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin

Wash exposed skin with soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice/attention.

Eyes

Rinse cautiously with water for 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/physician. 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. May cause damage to the kidneys, liver, thymus.

Delayed

May damage fertility or the unborn child.

Note to Physicians

Contains ASPHALT.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media**Suitable Extinguishing Media**

Use carbon dioxide, regular dry chemical, regular foam or water.

Unsuitable Extinguishing Media

None known.

Special Hazards Arising from the Chemical

Slight fire hazard.

Hazardous Combustion Products

Oxides of carbon, hydrocarbons

Special Protective Equipment and Precautions for Firefighters

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

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

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Remove all sources of ignition. Avoid inhalation of material or combustion by-products. Ventilate affected area. 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.

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. Avoid contact with eyes, skin and clothing. Wear protective gloves/protective clothing/eye protection. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. KEEP OUT OF REACH OF CHILDREN.

Conditions for Safe Storage, Including any Incompatibilities

Store locked up

Store in a cool, dry place. Keep container tightly closed and in a well-ventilated place. Keep away from heat and ignition sources. Keep away from incompatible materials. Do not cut, puncture, or weld on or near this container.

Incompatible Materials

Strong acids, strong oxidizing agents

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

| | | |
|---------|---|-------------------------------------|
| Asphalt | 8052-42-4 | |
| ACGIH: | 0.5 mg/m ³ TWA as benzene soluble aerosol fume, inhalable fraction | |
| NIOSH: | 5 mg/m ³ Ceiling fume 15 min | |
| Mexico: | 5 mg/m ³ TWA LMPE-PPT | 10 mg/m ³ STEL [LMPE-CT] |

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 safety glasses. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

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Skin Protection

Wear chemical resistant clothing and rubber boots when potential for contact with the material exists. Recommended material: protective skin cream.

Respiratory Protection

Due to physical form, inhalation is unlikely.

Glove Recommendations

Wear appropriate chemical resistant gloves.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|------------------------------|--|---|-----------------------|
| Appearance | Black rubberized asphalt on a black fabric backing | Physical State | solid |
| Odor | Slight,petroleum | Color | Black on black fabric |
| Odor Threshold | Not available | pH | Not available |
| Melting Point | Not available | Boiling Point | Not available |
| Freezing point | Not available | Evaporation Rate | <0.01 |
| Boiling Point Range | Not available | Flammability (solid, gas) | Not available |
| Autoignition | Not available | Flash Point | 232°C (>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 | Negligible | Partition coefficient: n-octanol/water | Not available |
| Viscosity | Not available | Solubility (Other) | Not available |
| Density | 1 - 1.2 (relative) | | |

Other Information

No additional information available.

Section 10 - STABILITY AND REACTIVITY

Reactivity

No reactivity hazard is expected.

Chemical Stability

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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 incompatible materials.

Incompatible Materials

Strong acids, strong oxidizing agents

Hazardous decomposition products

Oxides of carbon, hydrocarbons

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure**Inhalation**

Not a likely route of exposure.

Skin Contact

Causes skin irritation.

Eye Contact

May cause mild 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:

Asphalt (8052-42-4)

Oral LD50 Rat >5000 mg/kg

Dermal LD50 Rabbit >2000 mg/kg

Asphalt, oxidized (64742-93-4)

Oral LD50 Rat >5000 mg/kg

Dermal LD50 Rabbit >2000 mg/kg

Distillates, petroleum, petroleum residues vacuum (68955-27-1)

Oral LD50 Rat 4320 mg/kg

Dermal LD50 Rabbit >2000 mg/kg

Residues, petroleum, vacuum (64741-56-6)

Oral LD50 Rat 4320 mg/kg

Dermal LD50 Rabbit >2000 mg/kg

Fatty acids, tall-oil, low-boiling (Mixture)

Oral LD50 Rat >2000 mg/kg

Dermal LD50 Rat >2000 mg/kg

Immediate Effects

Causes skin irritation. May cause damage to the kidneys, liver, thymus.

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Delayed Effects

May damage fertility or the unborn child.

Irritation/Corrosivity Data

May cause mild skin irritation. May cause mild eye irritation. May cause respiratory irritation.

Respiratory Sensitization

No data available.

Dermal Sensitization

No data available.

Component Carcinogenicity

| | |
|---|---|
| Asphalt | 8052-42-4 |
| ACGIH: | A4 - Not Classifiable as a Human Carcinogen (fume, coal tar-free) |
| IARC: | Monograph 103 [2013]; Supplement 7 [1987] (extracts of steam-refined and air-refined); Monograph 35 [1985] (Group 2B (possibly carcinogenic to humans)) |
| DFG: | Category 2 (considered to be carcinogenic for man, aerosol and vapor) |
| OSHA: | Present |
| | |
| Asphalt, oxidized | 64742-93-4 |
| IARC: | Monograph 103 [2013] (and their emissions during roofing) (Group 2A (probably carcinogenic to humans)) |
| OSHA: | Present |
| Residues, petroleum, vacuum | 64741-56-6 |
| IARC: | Monograph 103 [2013] (Group 2B (possibly carcinogenic to humans)) |
| OSHA: | Present |
| | |
| Polycyclic aromatic hydrocarbons | 130498-29-2 |
| NTP: | Reasonably Anticipated To Be A Human Carcinogen |
| OSHA: | Present |

Germ Cell Mutagenicity

No data available.

Tumorigenic Data

No data available

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Reproductive Toxicity

May damage fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure

kidneys, liver, thymus

Specific Target Organ Toxicity - Repeated Exposure

No target organs identified.

Aspiration hazard

No data available.

Medical Conditions Aggravated by Exposure

No data available.

Additional Data

No additional information available.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity

Avoid release to the environment.

Component Analysis - Aquatic Toxicity

| | |
|--|--|
| Distillates, petroleum, hydrotreated heavy naphthenic | 64742-52-5 |
| Fish: | LC50 96 h Oncorhynchus mykiss >5000 mg/L |
| Invertebrate: | EC50 48 h Daphnia magna >1000 mg/L IUCLID |
| Asphalt, oxidized | 64742-93-4 |
| Algae: | EC50 72 h Pseudokirchneriella subcapitata 56 mg/L IUCLID |
| Distillates, petroleum, petroleum residues vacuum | 68955-27-1 |
| Fish: | LC50 96 h Brachydanio rerio 48 mg/L [semi-static] |
| Residues, petroleum, vacuum | 64741-56-6 |
| Fish: | LC50 96 h Brachydanio rerio 48 mg/L [semi-static] |
| Fatty acids, tall-oil, low-boiling | Mixture |

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| | |
|---------------|---|
| Fish: | LC50 96 h Brachydanio rerio 50 - 100 mg/L [semi-static] |
| Algae: | EC50 72 h Pseudokirchneriella subcapitata >10 mg/L IUCLID |
| Invertebrate: | EC50 48 h Daphnia magna 70 mg/L IUCLID |

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.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

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

Section 14 - TRANSPORT INFORMATION

US DOT Information:

UN/NA #: Not regulated

IATA Information:

UN#: Not regulated

IMDG Information:

UN#: Not regulated

TDG Information:

UN#: Not regulated

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations

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This material does not contain any 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.

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:

| Component | CAS | CA | MA | MN | NJ | PA |
|----------------------------------|-------------|----|-----|-----|-----|-----|
| Asphalt | 8052-42-4 | No | Yes | Yes | Yes | Yes |
| Asphalt, oxidized | 64742-93-4 | No | No | No | Yes | No |
| Polycyclic aromatic hydrocarbons | 130498-29-2 | No | No | Yes | Yes | Yes |

Not listed under California Proposition 65

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

| | |
|------------------|-----------|
| Hydrogen sulfide | 7783-06-4 |
| | 1 % |

Component Analysis - Inventory

Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)

| 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 |

Asphalt (8052-42-4)

| 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 |

Asphalt, oxidized (64742-93-4)

| 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 | No |

Distillates, petroleum, petroleum residues vacuum (68955-27-1)

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

Residues, petroleum, vacuum (64741-56-6)

| 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 |

Polycyclic aromatic hydrocarbons (130498-29-2)

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

Fatty acids, tall-oil, low-boiling (Mixture)

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

Section 16 - OTHER INFORMATION

HMIS Rating

Health: 2* Fire: 1 Reactivity: 0

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

NFPA Ratings

Health: 2 Fire: 1 Reactivity: 0

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

Summary of Changes

Revision Date: 20 August 2018

Revision Note: General Update

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

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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