



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Rubberized Asphalt Membrane with Polyolefin Film or Fabric. This sheet is applicable: CCW-701 all configurations, CCW-705 all configurations, CCW-711 all configurations, CCW-725, Dri-Start "A", Dri-Start "A"LT, Dri-Start "HR", Window and Door Tape, Antifracture.

Product Use: Waterproofing

Synonyms: Rubberized asphalt

Manufacturer/Supplier

Carlisle Coatings & Waterproofing Incorporated
8810 West 100th Street South, P.O. Box 1600
Sapulpa, OK 74067-1600

Internet Address: www.Carlisle-CCW.com

Fax Number: (918) 227-0603

Phone Numbers

Medical Emergency:

CHEMTREC(USA): (800) 424-9300

CHEMTREC(International): (703) 527-3887

MSDS Assistance: (918) 227-5435

Fax On Demand: NA

Technical Assistance: (918) 227-5435

Customer Service: (918) 227-4533

2. COMPONENT INFORMATION

Component	CAS No.	Percent Range	Hazardous in Blend
Asphalt	8052-42-4	60-80	
Aromatic Oil	64742-05-8	5-20	

This product is hazardous according OSHA 29 CFR 1910.1200.

Hazards:

Flammable/Combustible X Acute Toxin X Chronic Toxin X Carcinogen X

Pressure No Reactive No Exposure Limit Target Organ Other

3. HAZARDS IDENTIFICATION

Emergency and Hazards Overview:

Repeated skin contact with rubberized asphalt may result in slight irritation. Prolonged or repeated skin contact with process oil in the rubberized asphalt may cause an increased risk of skin cancer, liver damage and reproduction effects based on laboratory animals tests. Skin cleansing studies with aromatic oils show that the toxic effects are not likely to occur to humans if good personal hygiene practices are used.

Ratings

Health 2 Flammability 1 Reactivity 0

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

Health Effect Information

Eye Contact: May cause eye irritation if oil residue is wiped or rubbed into eyes.

Skin Contact: May cause skin irritation if oil residues is wiped or left on the skin.

Inhalation: Inhalation is unlikely due to the nature of this product.

Ingestion: There are no known health effects due to ingestion. Ingestion is unlikely due to the nature of this product.

Medical Conditions Aggravated by Exposure: Prolonged contact with oil residues in this product may produce effects including skin cancer.

4. FIRST AID INFORMATION

Eye Contact: Immediately flush with plenty of water for at least 15 minutes. Call a physician.

Skin Contact: Wash promptly with soap and water. Remove all materials under fingernails. See a physician if irritation develops.

Inhalation: No known adverse effect unless heated.

Ingestion: Due to the nature of this product ingestion is unlikely. Should ingestion occur, contact a physician.

Notes to Physician: This product contains asphalt and mineral process oil.

5. FIRE AND EXPLOSION INFORMATION

Flammable Properties

Flash Point: >450°F

Test Method: COC

Flame extension: NA

Test Method: NA

Flammable Limits in Air

Upper Percent: NA

Lower Percent: NA

Autoignition Temperature: ND

Test Method: NA

NFPA Classification: H 2 F 1 R 0

Extinguishing Media: CO, foam, Dry Chemical.

Fire Fighting Measures

Special Fire Fighting Procedures and Equipment: Wear NIOSH/MSHA approved respirators, or self-contained breathing apparatus (SCBA).

Unusual Fire and Explosion Conditions: None

Hazardous Combustion By-Products: CO, CO₂, unburned hydrocarbons.

6. ACCIDENTAL RELEASE MEASURES

Personnel Safeguards: Rubber gloves and/or the use of barrier creams to minimize skin exposure are recommended.

Regulatory Notifications: Waste of this product is defined as hazardous according to U.S. EPA. For Canada, observe all precautions noted above. Remove material for disposal.

Containment and Clean up: Thoroughly clean the area and remove material for disposal.

7. HANDLING AND STORAGE INFORMATION

Handling: Avoid prolonged contact with skin. Use gloves impervious to oil. Avoid rubbing eyes while handling.

Storage: Store in cool ventilated space. If stored outside use covers.

Empty Container Warnings

Drums: Not applicable.

Plastic: Not applicable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

Exposure Limits and Guidelines

Component	CAS No.	Exposure Limit
Asphalt	8052-42-4	5 mg/m ³ TWA
Aromatic Oil	64742-05-8	5 mg/m ³ TWA

Personal Protective Equipment

Eye/Face Protection: Not required for normal use. Avoid rubbing eyes during handling.

Skin Protection: Use gloves impervious to oil.

Respiratory Protection: Provide adequate ventilation in confined areas or respirators if material is heated.

Personal Hygiene: Avoid rubbing eyes during handling. Wear industrial shoes. Due to the nature of this product ingestion is unlikely. Using good personal hygiene practices to avoid incidental ingestion of rubberized asphalt residues on hands.

Engineering Controls / Work Practices

Ventilation: If material is heated or otherwise made airborne, provide local exhaust or mechanical exhaust if required to maintain concentration of vapors below 5 mg/m³.

Other: Source of clean water should be available in the work area for flushing eyes and skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pliable adhesive sheet	Vapor Pressure: NA
Odor: slight petroleum odor	
Physical state: Pliable solid	Vapor Density (air=1): NA
pH: Not applicable	Percent Volatile by Volume: Negligible
DOT Corrosivity: NA	Volatile Organic Content: Negligible
Boiling Point: NA	Molecular Weight: NA
Melting Point: 185 to 270°F	Average Carbon Number: NA
Specific Gravity: 1.0 – 1.1	Viscosity @ 100 F: Solid
Pour Point: >300°F	Viscosity @ 40 C: Solid
Solubility in Water: Negligible	
Octanol / Water Coefficient: Log K _{ow} =	

10. STABILITY AND REACTIVITY INFORMATION

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Avoid extreme temperature, heat and flames.

Incompatible Materials to Avoid: Strong oxidizers or strong basic compounds.

11. TOXICOLOGICAL INFORMATION (will only print available data)

Primary Eye Irritation: Irritating

Primary Skin Irritation: May be irritating

Acute Dermal Toxicity: NA

Subacute Dermal Toxicity: NA

Dermal Sensitization: NA

Inhalation Toxicity: NA

Inhalation Sensitization: NA

Oral Toxicity: Mineral oil mist:
LD₅₀ (mouse) 22,000 mg/kg

Mutagenicity: NA

Carcinogenicity: Prolonged >5 mg/m³ oil mist exposure may result in a cancer risk.

Reproductive Toxicity: NA

Teratogenicity: NA

Immunotoxicity: NA

Neurotoxicity: NA

Other:

No other toxicological information available

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: Not known

Terrestrial Toxicity: Not known

Chemical Fate and Transport: Not known

No other ecological information available.

13. DISPOSAL INFORMATION

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

Waste Disposal Methods: Dispose of in accordance with all applicable regulations.

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation (DOT)

Highway / Rail (Bulk): Not classified

Highway / Rail (Non-Bulk): Not classified

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: Not classified

Air: ICAO Regulated: Not classified

Other: No other information available.

15. Regulatory Information

Regulatory Lists

U.S. TSCA Inventory: All components of this material are on the US TSCA Inventory.

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

Chemical	CAS Number	Percent in Product
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Regulatory Lists Searched

Health & Safety: NA

Environmental: NA

International: NA

State: FL, MA, MN, PA, RI

National Inventories: NA

SARA 311 / 312 Categories

Acute: Yes Chronic: Yes Fire: No Pressure: No Reactive: No

Not Regulated:

Canadian WHMIS Classification

Class: B

Division: 4

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR). This MSDS contained all the information required by the CPR.

European Union Classification

Hazard Symbol:



Toxic

Risk Phrases: R45

Safety Phrases: S38, S45, S53

Other Regulations: No other information available.

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)

California Proposition 65 Information: Warning! This product contains substances known to the State of California to cause cancer.

MSDS Revisions

Previous Version Date: 12/15/00

Section

Old Information: 8-part version

New Information: 16-part version

Prepared By: Paul Cheng **Date:** 12/20/00

Disclaimer of Warranty: The information contained herein is based upon data and information available to us, and reflects our best professional judgement. 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, Pennzoil Products 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.