



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** CCW MiraSEAL, CCW MiraSEAL EJS, CCW MiraSEAL EJS EF, and CCW MiraSEAL EJS Commercial

**Synonyms:** Hot applied elastomeric joint sealant

**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

### 2. COMPONENT INFORMATION

Component	CAS No.	Percent Range	Hazardous in Blend
Petroleum Asphalt	8052-42-4	60-80	
Rubber- Copolymer	9003-55-8	5-20	
Ground Tire Rubber	N/A	<20	
CaCO <sub>3</sub>	1317-65-3	10-30	
Hydrotreated Heavy Naphthenic Distillate	64742-52-5	<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 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. 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   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 wiped or rubbed into eyes.

**Skin Contact:** May cause skin irritation on prolonged or repeated contact.

**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.

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Supersedes: 02/15/01

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

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#### 4. FIRST AID INFORMATION

**Eye Contact:** Flush with water for 15 minutes. Get medical attention immediately.

**Skin Contact:** Wipe off and wash skin with soap and water. Promptly remove contaminated clothing and wash before reuse. See a physician if irritation develops.

**Inhalation:** No known adverse effect unless heated.

**Ingestion:** Due to the nature of this product ingestion is unlikely. Consult a physician immediately.

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

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#### 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:** NA

**Test Method:** NA

**NFPA Classification:** H 2 F 1 R 0

**Extinguishing Media:** CO<sub>2</sub>, foam, dry chemical or water spray.

##### 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 known.

**Hazardous Combustion By-Products:** CO, CO<sub>2</sub>, unburned hydrocarbons.

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#### 6. ACCIDENTAL RELEASE MEASURES

**Personnel Safeguards:** Evacuate non-essential personnel to safe areas. Clean-up responders should wear proper protective clothing and gloves before entering the affected area.

**Regulatory Notifications:** Certain component of this product is defined as hazardous according to U.S. EPA. 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:** Observe above precautions, thoroughly clean the area and remove materials for disposal.

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#### 7. HANDLING AND STORAGE INFORMATION

**Handling:** Avoid prolonged contact with skin. Use protective gloves. Avoid rubbing eyes while handling.

**Storage:** Store in dry, cool environment. Keep containers closed when not in use.

##### Empty Container Warnings

**Drums:** NA

**Plastic:** NA

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#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

##### Exposure Limits and Guidelines

Component	CAS No.	Exposure Limit
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Asphalt	8052-42-4	5 mg/m <sup>3</sup> TWA
Hydrated Naphthenic Distillate	64742-52-5	5 mg/m <sup>3</sup> TWA, 10mg/m <sup>3</sup> ACGIH STEL
CaCO <sub>3</sub>	1317-65-3	2 mg/m <sup>3</sup> ACGIH TLV

#### Personal Protective Equipment

**Eye/Face Protection:** Wear safety goggles during hot melt application.

**Skin Protection:** Use protective insulation gloves during hot melt application.

**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. Due to the nature of this product ingestion is unlikely. Use good personal hygiene practices to avoid incidental ingestion.

#### Engineering Controls / Work Practices

**Ventilation:** If material is heated or otherwise made airborne, provide local exhaust or area ventilation to maintain concentration of vapors below 5 mg/m<sup>3</sup> 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.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> Black rubberized asphalt	<b>Vapor Pressure:</b> NA
<b>Odor:</b> Slight petroleum odor	
<b>Physical state:</b> Pliable solid	<b>Vapor Density (air=1):</b> NA
<b>pH:</b> NA	<b>Percent Volatile by Volume:</b> Negligible
<b>DOT Corrosivity:</b> NA	<b>Volatile Organic Content:</b> Negligible
<b>Boiling Point:</b> NA	<b>Molecular Weight:</b> NA
<b>Melting Point:</b> 190 to 230°F	<b>Average Carbon Number:</b> NA
<b>Specific Gravity:</b> 1.0-1.2	<b>Viscosity @ 77 F:</b> Solid
<b>Pour Point:</b> >300°F	
<b>Solubility in Water:</b> Negligible	
<b>Octanol / Water Coefficient:</b> Log K <sub>ow</sub> = NA	

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### 10. STABILITY AND REACTIVITY INFORMATION

**Chemical Stability:** Stable under normal condition.

**Conditions to Avoid:** Avoid extreme heat, fire and temperature.

**Incompatible Materials to Avoid:** Avoid strong acids, strong oxidizers.

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### 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, LD<sub>50</sub>(mouse): 22,000 mg/kg

**Mutagenicity:** NA

**Carcinogenicity:** Prolonged >5mg/m<sup>3</sup> oil mist exposure may result in a cancer risk. Due to the nature of the product it is unlikely that the CaCO<sub>3</sub> will be airborne.

**Reproductive Toxicity:** NA  
**Teratogenicity:** NA  
**Immunotoxicity:** NA  
**Neurotoxicity:** NA  
**Other:**No other toxicological information available

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**12. ECOLOGICAL INFORMATION**

**Aquatic Toxicity:** Not known  
**Terrestrial Toxicity:** Not known  
**Chemical Fate and Transport:** Not known  
**No other ecological information available**

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**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:** Dispose of in accordance with all applicable regulations.

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**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**

<b>Vessel: IMDG Regulated:</b>	Not classified	<b>IMDG Not</b>
<b>Air: ICAO Regulated:</b>	Not classified	<b>ICAO Not</b>

**Other:** No other information available.

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**15. Regulatory Information**

**Regulatory Lists**

**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 no chemical listed in Sara, Title III, Section 313:

<b>Chemical</b>	<b>CAS Number</b>	<b>Percent in Product</b>
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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:**

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

**Canadian WHMIS Classification**

**Class:** Class B

**Division: 4**

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR). This MSDS contains 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.

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**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****Previous Version Date:** 03/20/02**Section****Old Information:** 9-part version**New Information:** 16-part version**Prepared By:** Stephen Choi     **Date:** 11/01//02

**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, Carlisle Coating and Waterproofing Inc. 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.