



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: CCW MiraCLAY Mastic

Synonyms: Bentonite Mastic

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
Wyoming/ Western Bentonite	1302-78-9	40-60	
Refined Petroleum Distillates	64742-52-5	40-60	

This product is hazardous according OSHA 29 CFR 1910.1200.

Hazards:

Flammable/Combustible X Acute Toxin X Chronic Toxin X Carcinogen No
Pressure X Reactive No Exposure Limit Target Organ Other

3. HAZARDS IDENTIFICATION

Emergency and Hazards Overview:

May cause moderate irritation to eyes. 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 1 Flammability 0 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 mild skin irritation on prolonged or repeated contact.

Inhalation: Vapor and mist may cause respiratory irritation, dizziness and/or nausea, tightness of chest, shortness of breath, headache. Ethylene glycol is very toxic in particular form upon inhalation.

Ingestion: Ingestion of large quantity may cause initial central nervous system stimulation, followed by depression.

Medical Conditions Aggravated by Exposure: Prolonged exposure to vapors could aggravate preexisting disorders in lungs, kidney and liver.

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.

Inhalation: Remove to fresh air. If breathing has stopped, start artificial respiration. Oxygen may be administered. Consult physician immediately

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Ingestion: Do not induce vomiting unless directed to do so by a physician. Consult a physician immediately.

Notes to Physician: This product contains ethylene glycol, Hexahydro-1,3,5-triethyl-s-triazine.

5. FIRE AND EXPLOSION INFORMATION

Flammable Properties

Flash Point: >250°C **Test Method:** NA
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 1 F 0 R 0

Extinguishing Media: CO₂, foam, dry chemical or water spray.

Fire Fighting Measures

Special Fire Fighting Procedures and Equipment: Firemen must wear full-face air-supplied masks and full protective clothing.

Unusual Fire and Explosion Conditions: None known.

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

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: Prevent Product from entering drinking water supplies or streams. Observe above precautions, collect liquid with inert, noncombustible material and remove for disposal.

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: Drums may be reused after wash.

Plastic: Plastic containers may be reused after wash.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

Exposure Limits and Guidelines

Component	CAS No.	Exposure Limit
Wyoming/ Western Bentonite	1302-78-9	5 mg /m ³ TWA, OSHA, 3 mg /m ³ TWA, ACGIH
Refined Petroleum Distillates	64742-52-5	5 mg/m ³ TWA, 10 mg/m ³ ACGIH, TLV

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Personal Protective Equipment**Eye/Face Protection:** Wear safety goggles. Contact lenses should not be worn.**Skin Protection:** Use protective rubber gloves.**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. Use good personal hygiene practices to avoid incidental ingestion.

Engineering Controls / Work Practices**Ventilation:** Provide local exhaust or area ventilation to maintain concentration of vapors below 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.**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Gray/black ,non-polluting, smooth mastic	Vapor Pressure: < 0.0001 mmHg
Odor: Typical petroleum odor	
Physical state: Paste	Vapor Density (air=1): >1
PH:	Percent Volatile by Volume: ND
DOT Corrosivity: NA	Volatile Organic Content: ND
Boiling Point: Semi-solid, 50% @315°C	Molecular Weight: NA
Melting Point: NA	Average Carbon Number: NA
Specific Gravity: 0.89	Viscosity @ 77 F: ND
Pour Point: NA	
Solubility in Water: 50% by weight	
Octanol / Water Coefficient: Log K _{ow} = NA	

10. STABILITY AND REACTIVITY INFORMATION**Chemical Stability:** Stable.**Conditions to Avoid:** Avoid extreme heat, fire and temperature.**Incompatible Materials to Avoid:** Avoid strong acids, strong oxidizers.**11. TOXICOLOGICAL INFORMATION (will only print available data)****Primary Eye Irritation:** Irritating**Primary Skin Irritation:** NA**Acute Dermal Toxicity:** Product toxicity has not been determined.**Subacute Dermal Toxicity:** NA**Dermal Sensitization:** NA**Inhalation Toxicity:** Product toxicity has not been determined.**Inhalation Sensitization:** NA**Oral Toxicity:** Product toxicity has not been determined.**Mutagenicity:** NA**Carcinogenicity:** NA**Reproductive Toxicity:** Product toxicity has not been determined**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
Ecological Toxicity: Not known

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: Recover free liquid. Absorb residue and dispose of according to local, state and federal EPA regulation. Empty container: may contain explosive vapors. Do not cut, puncture or weld on or nearby.

14. TRANSPORTATION INFORMATION**U.S. Department of Transportation (DOT)**

Highway / Rail (Bulk): Not flammable, other regulated substances, liquid (contains methanol)

Highway / Rail (Non-Bulk): Not flammable, other regulated substances, liquid (contains methanol)

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 **IMDG Not**

Air: ICAO Regulated: Not classified **ICAO Not**

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 or exempt from listing on the TSCA Inventory.

Sara Section 313: This product contains no Sara, Title III, Section 313 Chemicals:

<u>Chemical</u>	<u>CAS Number</u>	<u>Percent in Product</u>
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IARC Group 3:**Regulatory Lists Searched**

Health & Safety: NA

Environmental: NA

International: NA

State: FL, CA, MA, MN, PA, RI

National Inventories: NA

SARA 311 / 312 Categories

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

Regulated: Yes

California Proposition 65 Information: Warning! None in the list

Canadian WHMIS Classification

Class: Not applicable

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.

Canadian Environmental Protection Act (CEPA)

All reportable chemical substances are listed on the Domestic Substances List (DSL) or otherwise comply with CEPA new substance notification requirements.

National Pollution Release Inventory (NPRI)

none

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Supersedes: 01/23/03

European Union Classification
Hazard Symbol:



Harmful

Risk Phrases:

Safety Phrases:

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)

MSDS Revisions

Previous Version Date: 01/23/03

Section

Old Information:

New Information:

Prepared By: R&D Department **Date:** 07/01/08

Disclaimer of Warranty: 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, Carlisle Coatings and Waterproofing, Inc. 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.

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