

## Safety Data Sheet

**Material Name:** MiraClay

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### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

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**Material Name**

MiraClay	MiraClay EF	MiraClay EEF
MiraClay GM	MiraClay GM-EF	MiraClay PC
MiraClay PC-EF	MiraClay Granules	MiraStop

**Trade Names**

Part Number(s): 305119, 305571, 305120, 309961, 307617, 307618, 316212, 316235, 305266, 317318

**Synonyms**

Clay membrane, clay waterproofing, bentonite waterproofing

**Chemical Family**

N/A

**Product Use**

Horizontal or vertical waterproofing membrane. Positive side and blind side.

**Restrictions on Use**

For industrial use only.

**Manufacturer Information**

Carlisle HVAC Products  
900 Hensley Lane  
Wylie, TX 75098  
www.carlislehvac.com

**Medical Emergency:**

**CHEMTREC (USA): (800) 424-9300**

MSDS Assistance – 972-442-6545

Technical Assistance – 888-229-2199

Customer Service – 888-229-0199

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### Section 2 - HAZARDS IDENTIFICATION

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The products listed above are considered “articles” as defined in the OSHA Hazard Communication Standard, 29 CFR 1910.1200 and are considered “manufactured articles” as defined by the Canadian Hazardous Products Act (R.S.C., 1985, c. H-3) and as such are exempt from the requirement for an SDS. Under normal conditions of use, these products do not pose a hazard in the workplace or to the building occupants. Since these products or “articles” pose no health hazard under normal conditions of use, there is no requirement for an SDS. In addition,

## Safety Data Sheet

**Material Name: MiraClay**

“articles” are not included in the scope of the Globally Harmonized System (GHS). For that reason, the GHS labeling elements are not included on this SDS. Although these products are not subject to the OSHA or Canadian standards or GHS labelling elements, Carlisle would like to disclose as much health and safety information as possible to ensure that these products are handled and used properly. This SDS contains information critical to the safe handling and proper use of the products. It is recommended that this SDS should be retained and made available to the users of these products. In addition, the recommendations for handling and use of these products should be included in worker training programs.

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

Not classified

**GHS Label Elements****Symbol(s)**

None required

**Signal Word**

None required

**Hazard Statement(s)**

None required

**Precautionary Statement(s)**

None required

**Prevention**

None

Wash thoroughly after handling

**Response****Storage**

Store locked up

**Disposal**

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

**Other Hazards**

No additional information available.

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**Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

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CAS	Component Name	Percent
Proprietary	Clay Membrane	100%

## Safety Data Sheet

**Material Name:** MiraClay

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### Section 4 - FIRST AID MEASURES

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#### **Description of Necessary Measures**

None known.

#### **Inhalation**

Cannot be inhaled under normal circumstances.

#### **Skin**

Repeated contact with skin may result in irritation due to adhesive nature of product. Protective creams may be useful. If skin irritation occurs, get medical advice/attention.

#### **Eyes**

Cannot get into eyes under normal circumstances.

#### **Ingestion**

Cannot be ingested under normal circumstances.

#### **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically and supportively.

#### **Most Important Symptoms/Effects**

##### **Acute**

None known

##### **Delayed**

None known

#### **Note to Physicians**

Nothing known to note

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### Section 5 - FIRE FIGHTING MEASURES

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#### **Extinguishing Media**

##### **Suitable Extinguishing Media**

Use dry chemical, carbon dioxide, alcohol-resistant foam or water spray.

##### **Unsuitable Extinguishing Media**

None reported.

#### **Special Hazards Arising from the Chemical**

None known

#### **Hazardous Combustion Products**

Oxides of carbon, oxides of nitrogen, hydrocarbons

#### **Advice for firefighters**

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure. Do not inhale any material or combustion by-products.

## Safety Data Sheet

**Material Name:** MiraClay

**Fire Fighting Measures**

Remove product from area of fire. Stay upwind and keep out of low areas.

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### Section 6 - ACCIDENTAL RELEASE MEASURES

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**Personal Precautions, Protective Equipment and Emergency Procedures**

Wear personal protective clothing and equipment, see Section 8.

**Methods and Materials for Containment and Cleaning Up**

Sweep up and dispose in accordance with all applicable regulations.

**Environmental Precautions**

None known

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### Section 7 - HANDLING AND STORAGE

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**Precautions for Safe Handling**

None known. Suggest wearing protective gloves. Wash thoroughly after handling. KEEP OUT OF REACH OF CHILDREN.

**Conditions for Safe Storage, Including any Incompatibilities**

Store locked up

Store in a well-ventilated place. Store above 6 C. Store below 45 C.

**Incompatible Materials**

None known

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### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Component Exposure Limits**

No known exposure limits

**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**

No special protection needed.

**Skin Protection**

Wear appropriate work clothing.

**Respiratory Protection**

None required.

**Glove Recommendations**

Wear protective gloves.

## Safety Data Sheet

Material Name: MiraClay

### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Grey sheet with fabric or film surface	<b>Physical State</b>	solid
<b>Odor</b>	None	<b>Color</b>	Grey
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	Not available
<b>Freezing point</b>	Not available	<b>Evaporation Rate</b>	Not available
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition</b>	Not available	<b>Flash Point</b>	Not available
<b>Lower Explosive Limit</b>	Not available	<b>Decomposition</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	Not available
<b>Vapor Density (air=1)</b>	Not available	<b>Specific Gravity (water=1)</b>	Not available
<b>Water Solubility</b>	Not soluble	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	Not available	<b>Solubility (Other)</b>	Not available
<b>Density</b>	>1.00 (relative)	<b>VOC</b>	None

#### Other Information

No additional information available.

### Section 10 - STABILITY AND REACTIVITY

#### Reactivity

No reactivity hazard is expected.

#### Chemical Stability

Stable under normal conditions of use.

#### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

## Safety Data Sheet

**Material Name: MiraClay**

**Conditions to Avoid**

None known

**Incompatible Materials**

None known

**Hazardous decomposition products**

Oxides of carbon, oxides of nitrogen, hydrocarbons

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### Section 11 - TOXICOLOGICAL INFORMATION

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**Information on Likely Routes of Exposure**

**Inhalation**

Unlikely under normal conditions

**Skin Contact**

May cause mild skin irritation with repeated contact.

**Eye Contact**

Unlikely under normal conditions

**Ingestion**

Unlikely under normal conditions.

**Acute and Chronic Toxicity**

No acute or chronic effects known.

**Immediate Effects**

No immediate effects known.

**Delayed Effects**

No delayed effects known.

**Irritation/Corrosivity Data**

May cause skin irritation with repeated contact. No other effects known.

**Respiratory Sensitization**

No data available.

**Dermal Sensitization**

No data available.

**Component Carcinogenicity**

No data available

**Germ Cell Mutagenicity**

No data available.

**Reproductive Toxicity**

No data available..

**Specific Target Organ Toxicity - Single Exposure**

No data available

**Specific Target Organ Toxicity - Repeated Exposure**

## Safety Data Sheet

**Material Name: MiraClay**

No data available

**Aspiration hazard**

No data available.

**Medical Conditions Aggravated by Exposure**

No data available.

**Additional Data**

No additional information available.

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### Section 12 - ECOLOGICAL INFORMATION

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**Ecotoxicity**

No data available

**Component Analysis - Aquatic Toxicity**

No data available

**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.

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### Section 13 - DISPOSAL CONSIDERATIONS

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**Disposal Methods**

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

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### Section 14 - TRANSPORT INFORMATION

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**US DOT Information:**

UN/NA #: Not regulated

**IATA Information:**

UN#: Not regulated

**TDG Information:**

UN#: Not regulated

## Safety Data Sheet

Material Name: MiraClay

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### Section 15 - REGULATORY INFORMATION

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#### U.S. Federal Regulations

This material contains one or more of the following 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:

None

#### SARA Section 311/312 (40 CFR 370 Subparts B and C)

**Acute Health:** No **Chronic Health:** No **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:

None known

**The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):**

None known.

#### 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:

None known

#### Component Analysis - Inventory

Finished product is not hazardous. Component analysis not required.

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	No

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### Section 16 - OTHER INFORMATION

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#### HMIS Rating

Health: 0 Fire: 0 Reactivity: 0

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

## Safety Data Sheet

### Material Name: MiraClay

#### NFPA Ratings

Health: 0 Fire: 0 Reactivity: 0

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

#### Summary of Changes

Revision Date: June 1, 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 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, Authorization, 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.