

# Material Safety Data Sheet

# CertainTeed

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

MSDS Number: CT 10065-1  
DATE PREPARED: November 28, 2007

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product/Trade Name:**  
FlintCoat™-W

**Chemical Name:** Mixture  
**CAS #:** Not Applicable  
**Common Name:** None  
**Product Use:** Premium grade, Elastomeric roof coating, Energy Star Rated, white color -  
Packaged in 5 gallon pails.

**MANUFACTURER INFORMATION:**  
CertainTeed Corporation  
P.O. Box 860  
Valley Forge, PA 19482-0101

**TELEPHONE AND E-MAIL:**  
(610) 341-7000 9 AM – 5 PM  
(Eastern Time – USA)  
CertainTeed-EHS@saint-gobain.com

*EMERGENCY TELEPHONE: CHEMTREC (800) 424-9300*

## 2. HAZARD IDENTIFICATION

### Emergency Overview

**APPEARANCE AND ODOR:** White water-based liquid with a mild odor.

May be harmful if ingested or inhaled. May cause severe irritation to the respiratory system, skin and eyes. Inhalation or ingestion of this product may cause central nervous system depression and/or nerve damage.

### Summary:

Avoid breathing vapors and contact with eyes and skin. Excessive inhalation of vapors may cause nasal or respiratory irritation. Eye contact may cause severe irritation, redness, tearing, and blurred vision. Skin contact may cause moderate irritation. Prolonged exposure may cause dermatitis. Ingestion of this product may cause gastrointestinal irritation, nausea, vomiting, diarrhea and/or central nervous system damage.

### Routes of Exposure:

Inhalation, ingestion, skin, and eye contact.

### Potential Health Effects: Eyes

This product may cause severe irritation, redness, or blurred vision.

### Potential Health Effects: Skin

Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.

**Potential Health Effects: Ingestion**

This product may be harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Potential Health Effects: Inhalation**

Repeated inhalation may be harmful; lung irritation and serious central nervous system disorders may result.

**Medical Conditions Aggravated by Exposure:** None.

**HMIS Ratings: Health: 2 Fire: 0 Physical Hazard: 0**

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

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

CAS #	Component	Percent*
9003-55-8	Rubber	<40
1317-65-3	Limestone	<40
107-21-1	Ethylene glycol	<5
7782-42-5	Graphite	<4

**Component Information/Information on Non-Hazardous Components**

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

This material is a controlled product under Canadian WHMIS regulations

\*Concentration ranges do not fall under the prescribed WHMIS ranges. Stated concentrations represent maximum variation of each batch of product.

**4. FIRST AID MEASURES**

**First Aid: Eyes**

Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

**First Aid: Skin**

Wash exposed areas with soap and water for at least 15 minutes. Remove contaminated clothing. If irritation develops or persists, seek medical attention. Launder contaminated clothing before reuse.

**First Aid: Ingestion**

If ingested seek medical attention. DO NOT induce vomiting.

**First Aid: Inhalation**

If inhaled, remove the affected person to fresh air. If symptoms persist, get medical attention.

---

## 5. FIRE FIGHTING MEASURES

### General Fire Hazards:

See Section 9 for Flammability Properties.  
This product is water-based and will not burn.

### Hazardous Combustion Products:

Fire may produce irritating or poisonous gases. Upon decomposition, this product emits carbon oxides and traces of incompletely burned carbon compounds.

### Extinguishing Media:

Dry chemical, foam or carbon dioxide. Water may be used to cool containers exposed to heat.

### Fire Fighting Equipment/Instructions:

Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.

### NFPA Ratings: Health: 2 Fire: 0 Reactivity: 0

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

---

## 6. ACCIDENTAL RELEASE MEASURES

### Containment Procedures:

Remove sources of ignition. Dike the spilled material, where this is possible. Prevent entry to sewers, or other water sources.

### Clean-Up Procedures:

Wear appropriate protective equipment and clothing during clean-up. Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of in accordance with Federal, State and local regulations in a permitted waste management facility.

### Evacuation Procedures:

Evacuate the area promptly. Keep upwind of the spilled material and isolate exposure.

**Special Procedures:** No additional information available.

---

## 7. HANDLING AND STORAGE

### Handling Procedures:

Do not inhale vapors. Avoid eye and skin contact. Use only with adequate ventilation. Wear impervious clothing and gloves. Keep away from heat and flame. Wear chemical goggles when handling.

**Storage Procedures:** Store in a cool, dry, well-ventilated area.

**8. EXPOSURE CONTROL / PERSONAL PROTECTION**

**A: Component Exposure Limits**

**Limestone (1317-65-3)**

OSHA: 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)  
 NIOSH: 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)

**Ethylene glycol (107-21-1)**

ACGIH: 100 mg/m3 Ceiling (aerosol only)

**Graphite (7782-42-5)**

ACGIH: 2 mg/m3 TWA (respirable fraction, all forms except graphite fibers)  
 OSHA: 15 mppcf TWA  
 NIOSH: 2.5 mg/m3 TWA (respirable dust)

**Engineering Controls:**

Provide adequate local exhaust ventilation to maintain worker exposures below exposure limits.

**PERSONAL PROTECTIVE EQUIPMENT**

**Personal Protective Equipment: General**

Use appropriate personal protective equipment when handling this product. Eye wash fountain and emergency showers are recommended in areas where this product may be handled.

**Personal Protective Equipment: Eyes/Face**

Chemical goggles are recommended to prevent splashing of material in eyes.

**Personal Protective Equipment: Skin**

Wear impervious gloves such as nitrile or Viton® (consult glove manufacturer for specific glove types and breakthrough times). Wear appropriate chemical resistant clothing.

**Personal Protective Equipment: Respiratory**

If ventilation is not sufficient to effectively prevent build-up of vapors, appropriate NIOSH-approved (or equivalent) respiratory protection must be provided with NIOSH-approved (or equivalent) cartridges for protection against organic vapors and a P100 HEPA filter.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b> White	<b>Odor:</b> Mild Petroleum Odor
<b>Physical State:</b> Liquid	<b>pH:</b> Not Available
<b>Vapor Pressure:</b> Not Available	<b>Vapor Density:</b> Heavier than air
<b>Boiling Point:</b> 200-215°F (93-102°C)	<b>Melting Point:</b> Not Applicable
<b>Solubility (H2O):</b> Partially Soluble	<b>Specific Gravity:</b> Not Available
<b>Percent Volatile:</b> 20% by volume	<b>Flash Point:</b> Not Available
<b>Flash Point Method:</b> Not Applicable	<b>Lower Flammability Limit:</b> Not Available
<b>Upper Flammability Limit:</b> Not Available	<b>Auto Ignition Temp.:</b> Not Available
<b>Burning Rate:</b> Not Available	

**10. CHEMICAL STABILITY AND REACTIVITY INFORMATION**

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

**Conditions to Avoid:**

Avoid extreme heat above 200°F (93°C). Protect from freezing.

**Incompatibility:** Strong oxidizers

**Hazardous Decomposition:**

Fire may produce irritating or toxic gases. Upon decomposition, this product emits carbon oxides and traces of incompletely burned carbon compounds.

**Possibility of Hazardous Reactions:** Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**Acute Dose Effects**

**A: General Product Information**

This product may cause mild to severe irritation to the respiratory system, skin and eyes. Contact with the eyes may cause severe irritation, redness, tearing and blurred vision. Ingestion of this product may be harmful. Symptoms may include pain, nausea, vomiting, diarrhea, central nervous system depression and respiratory damage.

**Repeated Dose Effects:**

This product may cause central nervous system depression after prolonged exposure, if ingested or inhaled.

**Carcinogenicity**

**A: General Product Information:** No additional information available.

**B: Component Carcinogenicity**

**Rubber (9003-55-8)**

IARC: Supplement 7 [1987], Monograph 19 [1979] (Group 3 (not classifiable))

**Ethylene glycol (107-21-1)**

ACGIH: A4 - Not Classifiable as a Human Carcinogen

**Mutagenicity:** No information available for the product.

**Teratogenicity:** No information available for the product.

**Developmental Effects:** No information available for the product.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**A: General Product Information**

This product has not been tested.

**B: Component Analysis - Ecotoxicity - Aquatic Toxicity**

**Ethylene glycol (107-21-1)**

**Test & Species**

**Conditions**

96 Hr LC50 Oncorhynchus mykiss	41000 mg/L	
96 Hr LC50 Lepomis macrochirus	27500 mg/L	
96 Hr LC50 Oncorhynchus mykiss	40761 mg/L	static
96 Hr LC50 Pimephales promelas	49000 mg/L	static
96 Hr LC50 Poecilia reticulata	16000 mg/L	static
96 Hr EC50 Selenastrum capricornutum	6500-1300 mg/L	
30 min EC50 Photobacterium phosphoreum	620.0 mg/L	
30 min EC50 Photobacterium phosphoreum	620 mg/L	
16 Hr EC50 Pseudomonas putida	10000 mg/L	
48 Hr EC50 water flea	46300 mg/L	

**Environmental Fate:** No information available for the product.

**13. WASTE DISPOSAL CONSIDERATIONS**

**US EPA Waste Number & Descriptions**

**A: General Product Information:**

This product is not regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. If you are unsure of the regulations, contact your local Public Health Department, or the local office of the EPA.

**B: Component Waste Numbers:**

No EPA-listed Waste Numbers are being shown for this product's components.

**Disposal Instructions:**

Dispose of waste material according to Federal, State, local and Provincial environmental regulations. See Section 7 for Handling Procedures; see Section 8 for Personal Protective Equipment recommendations.

**14. TRANSPORTATION INFORMATION**

**US DOT Information:** This product is not classified as a hazardous material for transport.

**TDG Information;**

**Shipping Name:** This product is not classified as a dangerous good.

**15. REGULATORY INFORMATION**

**US Federal**

**A: General Product Information:** No information available.

**B: CERCLA:**

This material contains one or more of the following chemicals required to be identified under CERCLA (40 CFR 302.4).

**Ethylene glycol (107-21-1)**

CERCLA: 5000 lb final RQ; 2270 kg final RQ

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

**State Regulations**

**A: General Product Information:**

No information available.

**B: Component Analysis – State:**

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	MA	MN	NJ	PA	RI
Limestone	1317-65-3	No	Yes	Yes	No	Yes	Yes
Ethylene glycol	107-21-1	Yes	Yes	Yes	Yes	Yes	Yes
Graphite	7782-42-5	Yes	Yes	Yes	No	Yes	Yes

**C: California Safe Drinking Water and Toxics Enforcement Act (Proposition 65)**

None of the components in this product are known to the State of California to cause cancer or developmental and reproductive toxicity.

**Canadian WHMIS Information**

**A: General Product Information:**

WHMIS Class D2B – Chronic Toxic Effects - Irritating to eyes and skin

**B: Component Analysis - WHMIS IDL:**

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Ethylene glycol	107-21-1	1 %

**WHMIS Classification:**

WHMIS Class D2B – Chronic Toxic Effects - Irritating to eyes and skin

**Additional Regulatory Information**

**A: General Product Information:** No information available.

**B: Component Analysis - Inventory**

Component	CAS #	TSCA	DSL	EINECS
Limestone	1317-65-3	Yes	No	Yes
Rubber	9003-55-8	Yes	Yes	No
Ethylene glycol	107-21-1	Yes	Yes	Yes
Graphite	7782-42-5	Yes	Yes	Yes

**16. ADDITIONAL COMMENTS**

**Other Information**

Disclaimer: Supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product.

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

**Acronyms/definitions used in this MSDS:**

ACGIH	American Conference of Governmental Industrial Hygienists;
CAS #	Chemical Abstracts Services Number;
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act;
CFR	Code of Federal Regulations;
EPA	Environmental Protection Agency;
HMIS	Hazardous Material Identification System;
IARC	International Agency for Research on Cancer;
LFL	Lower Flammable Limit;
mg/m <sup>3</sup>	Milligrams per cubic meter;
NFPA	National Fire Protection Association;
NIOSH	National Institute for Occupational Safety and Health;
NTP	National Toxicology Program;
OSHA	Occupational Safety and Health Administration;
ppm	Parts per million;
PEL	Permissible Exposure Limit;
REL	Recommended Exposure Limit;
SARA	Superfund Amendments and Reauthorization Act;
RCRA	Resource Conservation and Recovery Act;
Title III	Emergency Planning and Community Right to Know Act; Section 302- Extremely Hazardous Substances; Section 313- Toxic Chemicals;
TLV	Threshold Limit Value;
TWA	Time Weighted Average;
UFL	Upper Flammable Limit.

**MSDS History**

MSDS Revision Summary:

<u>Date</u>	<u>MSDS No.</u>	<u>Comments</u>
06/15/2007	CT 10065-1	New MSDS
11/28/2007	CT 10065-1	Added HMIS information Reformat section numbering

This is the end of MSDS # CT 10065-1