

Material Safety Data Sheet

CertainTeed

MSDS Number: CT 10083-1
DATE PREPARED: September 29, 2005

H M I S	Health	0
	Reactivity	0
	Other	

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product/Trade Name: PVC Capstock on PVC Substrate

Chemical Name: Not Applicable

CAS #: Not Applicable

Common Name: Vinyl Siding

Product Use: Construction Material. All types and grades of extruded vinyl siding and vinyl siding accessories.

MANUFACTURER INFORMATION:

CertainTeed Corporation

P.O. Box 860

Valley Forge, PA 19482-0101

Main Telephone: (800)274-8530

Health, Safety & Environmental Affairs

(610)341-7000 (9 AM – 5 PM Eastern)

EMERGENCY TELEPHONE: CHEMTREC (800)424-9300

2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS #	Component	Percent
9002-86-2	PVC (Chloroethylene, polymer)	60-90
Not Available	Limestone	1-10
25852-37-3	2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate	1-5
8002-74-2	Paraffin and Hydrocarbon Waxes	1-5
Not Available	Titanium Dioxide	0.5-5
1592-23-0	Calcium stearate	0.5-5
Not Available	Tin Mercaptide	0.1-5
9010-88-2	2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate	0-5
68441-17-8	Ethene, homopolymer, oxidized	0-5
Not Available	Proprietary Lubricant	0-5
27136-15-8	2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate and ethenylbenzene	0-5

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Quartz (14808-60-7), Limestone (1317-65-3).

Component Information/Information on Non-Hazardous Components

The products listed above are articles as so defined by the OSHA Hazard Communication Standard (29 CFR 1910.1200). Their end uses are dependant upon their manufactured shape and design, and they will not release, or otherwise result in exposure to a hazardous chemical under normal conditions of use. Exposure limits are given for reference only.

This material is not a controlled product under Canadian WHMIS regulations.

The actual weight percentage ranges for chemical components were used, rather than using the WHMIS- mandated ranges.

3. HAZARD IDENTIFICATION

Emergency Overview

Under normal conditions of use, this product is not expected to create any unusual emergency hazards. This is a non-combustible, non-reactive solid material. Use methods suitable to fight surrounding fire. Contact with the eye may result in mechanical irritation characterized by itching or redness.

Due to the form of the product hazardous exposures are unlikely to occur. Exposure may cause slight temporary irritation to skin, eyes, nose, or throat.

Route of Exposure: Inhalation, skin, and eye contact.

Potential Health Effects: Eyes

This product may cause mechanical irritation of the eye from cutting, grinding or drilling of the product. Continued mechanical irritation of the eye could result in permanent corneal damage.

Potential Health Effects: Skin

This product may produce skin abrasions. Mechanical rubbing may increase skin irritation.

Potential Health Effects: Ingestion

Not a likely route of entry.

Potential Health Effects: Inhalation

Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.

Medical Conditions Aggravated by Exposure

None expected.

HMIS Ratings: Health: 0 Fire: 1 Physical Hazard: 0

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

4. FIRST AID MEASURES

First Aid: Eyes

Do not rub or scratch your eyes. Dust particles may cause the eye to be scratched. Flush eyes with large amounts of water for 5-15 minutes. If irritation persists, contact a physician.

First Aid: Skin

Wash exposed skin with soap and water. If irritation develops or persists, seek medical attention.

First Aid: Ingestion

Product is not intended to be ingested or eaten. If the product is ingested, do not induce vomiting. Seek medical attention.

First Aid: Inhalation

Move person to non-contaminated air. Call a physician if symptoms develop or persist.

5. FIRE FIGHTING MEASURES**General Fire Hazards**

See Section 9 for Flammability Properties.
None expected.

Hazardous Combustion Products

The decomposition products from this material are those that would be expected from any organic (carbon-containing) material, and are mainly derived from pyrolysis, or burning, of the polymer. These decomposition products may include carbon dioxide, carbon monoxide, carbon particles, hydrocarbons, chlorine, hydrogen, chloride, phosgene, and formaldehyde. This product should not be burned as construction waste.

Extinguishing Media

Use any media suitable for the surrounding fires. Water, spray, fog, carbon dioxide (CO₂), dry chemical, foam.

Fire Fighting Equipment/Instructions

Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products. Do not release chemically contaminated water into drains, soil or surface water.

NFPA Ratings: Health: 0 Fire: 1 Reactivity: 0

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

6. ACCIDENTAL RELEASE MEASURES**Containment Procedures**

None necessary.

Clean-Up Procedures

Sweep up or gather material and place in appropriate container for disposal. This product should not be burned as construction waste.

Evacuation Procedures

None necessary.

Special Procedures

Wear safety glasses with side-shields or safety goggles and gloves.

7. HANDLING AND STORAGE**Handling Procedures**

Customary personal hygiene measures, such as washing hands after working with these products are recommended.

Storage Procedures

Room temperature - normal conditions. Warehouse storage should be in accordance with package directions, if any.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Component Exposure Limits

Limestone (Not Available)

ACGIH: 0.05 mg/m³ TWA (respirable fraction) (related to Silica, crystalline, quartz)
 OSHA: 0.1 mg/m³ TWA (respirable dust) (related to Silica-crystalline, quartz)
 NIOSH: 0.05 mg/m³ TWA (respirable dust) (related to Silica, crystalline)

Paraffin and Hydrocarbon Waxes (8002-74-2)

ACGIH: 2 mg/m³ TWA (fume)
 OSHA: 2 mg/m³ TWA
 NIOSH: 2 mg/m³ TWA (fume)

Engineering Controls

No special protective measures are necessary for use of this product in that it is an article, and under normal conditions of use is not expected to release, or otherwise result in exposure to a hazardous chemical.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Safety glasses with side-shields may be worn to reduce the risk of eye injury as a result of construction activities.

Personal Protective Equipment: Skin

Under normal conditions of use this product is not expected to cause skin irritation. To reduce the risk of skin irritation due to construction-related activities leather or other appropriate work gloves are recommended.

Personal Protective Equipment: Respiratory

No special ventilation systems are required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Various colors of vinyl siding products	Odor:	Negligible
Physical State:	Solid	pH:	Not Applicable
Vapor Pressure:	Not Applicable	Vapor Density:	Not Applicable
Boiling Point:	Not Applicable	Melting Point:	Not Applicable
Solubility (H₂O):	Not Soluble	Specific Gravity:	1.3-1.5
Flash Point:	Not Available	Flash Point Method:	Not Available
Lower Flammability Limit:	Not Available	Upper Flammability Limit:	Not Available
Auto Ignition Temp.:	PVC - 730°F (Applies to Rigid PVC)	Burning Rate:	Not Available

10. CHEMICAL STABILITY AND REACTIVITY INFORMATION

Chemical Stability

Stable under normal conditions.

Chemical Stability: Conditions to Avoid

Keep away from heat, sparks, or open flame.

Incompatibility

None identified.

Hazardous Decomposition

The decomposition products from this material are those that would be expected from any organic (carbon-containing) material, and are mainly derived from pyrolysis, or burning, of the polymer. These decomposition products may include carbon dioxide, carbon monoxide, carbon particles, hydrocarbons, chlorine, hydrogen, chloride, phosgene, and formaldehyde.

Possibility of Hazardous Reactions

None expected.

11. TOXICOLOGICAL INFORMATION**Acute Dose Effects****General Product Information**

No information available for the product.

Repeated Dose Effects

No chronic health effects are expected from the normal use of this product.

Carcinogenicity**General Product Information**

No information available for the product.

Component Carcinogenicity**PVC (Chloroethylene, polymer) (9002-86-2)**

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

Limestone (Not Available)

ACGIH: A2 - Suspected Human Carcinogen (related to Silica, crystalline, quartz)

NIOSH: potential occupational carcinogen (related to Silica, crystalline)

IARC: Monograph 68, 1997 (Listed under Crystalline silica, inhaled in the form of quartz or cristobalite from occupational sources) (related to Silica, quartz) (Group 1 (carcinogenic to humans))

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****General Product Information**

No information available for the product.

Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Environmental Fate

No information available for the product.

13. WASTE DISPOSAL CONSIDERATIONS

US EPA Waste Number & Descriptions

General Product Information

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

Component Waste Numbers

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

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

14. TRANSPORTATION INFORMATION

US DOT Information

Shipping Name: This product is not classified a hazardous material for transport.

TDG Information

Shipping Name: Not classified as a Dangerous Good for transportation.

15. REGULATORY INFORMATION

US Federal Regulations

General Product Information

All components are on the U.S. EPA TSCA Inventory List.

CERCLA

None of the components of this product are listed under CERCLA (40 CFR 302.4) and present in the material at an amount exceeding the Reportable Quantity (RQ).

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

State Regulations

General Product Information

Other state regulations may apply. Check individual state requirements.

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 (*related to Quartz) (*related to Silica-crystalline, quartz) (*related to Silica, Quartz) (*related to Quartz (SiO2) (**related to Calcium carbonate)	Not Available	No	Yes ¹	Yes ²	Yes ³	Yes ^o	Yes ^{**}
Paraffin and Hydrocarbon Waxes	8002-74-2	Yes	Yes	Yes	No	Yes	Yes

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

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

WARNING! This product contains a chemical known to the state of California to cause cancer.

Canadian WHMIS Information

General Product Information

This product is not a controlled product according to the Canadian Hazardous Products Act.

Component Analysis - WHMIS IDL

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

Component	CAS #	Minimum Concentration
Limestone	Not Available	1 % (English Item 1406, French Item 1491) (related to Silica-crystalline, quartz)

WHMIS Classification: None.

Additional Regulatory Information

General Product Information

No additional information available.

Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
PVC (Chloroethylene, polymer)	9002-86-2	Yes	Yes	No
2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate	25852-37-3	Yes	Yes	No
Paraffin waxes and Hydrocarbon waxes	8002-74-2	Yes	Yes	Yes
Calcium stearate	1592-23-0	Yes	Yes	Yes
2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate	9010-88-2	Yes	Yes	No
Ethene, homopolymer, oxidized	68441-17-8	Yes	Yes	No
2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate and ethenylbenzene	27136-15-8	Yes	Yes	No

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.

Acronyms/definitions used in this MSDS:

ACGIH	American Conference of Governmental Industrial Hygienists;
CAS No:	Chemical Abstracts Services Number;
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act;
CFR	Code of Federal Regulations;
EPA	Environmental Protection Agency;
f/cc	Fibers per cubic centimeter;
g/cm ³	Grams per cubic centimeter;
HMIS	Hazardous Material Identification System;
IARC	International Agency for Research on Cancer;
LC50	Lethal concentration that produces death in 50% of the test population;
LD50	Lethal dose required to produce death in 50% of the test population;
LFL	Lower Flammable Limit;
mg/m ³	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;
PNOC	Particulates Not Otherwise Classified;
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>
09/29/2005	CT 10083-1	New MSDS

This is the end of MSDS # CT 10083-1