



MATERIAL SAFETY DATA SHEET

HEALTH	*	1
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL NAME(S): **COLORMAX™ PREFINISHED FIBERCEMENT COATING**
COLORMAX™ TOUCH UP KIT

PRODUCT DESCRIPTION: LIQUID IN VARIOUS COLORS

PRODUCT USE: Liquid prefinish coating applied to fibercement products and fibercement siding.

CHEMICAL NAME: Mixture
 CAS NUMBER: None Assigned
 EINECS: None Assigned
 MOLECULAR FORMULA: No Data Available

Company Identification

CERTAINTEED CORPORATION
 P.O. Box 860
 Valley Forge, PA 19482
 United States

WEB ADDRESS: www.certainteed.com

Phone Numbers

Technical Information: (610) 341-7000 - 9 AM – 5 PM (Eastern Time – USA)

Emergency: (800) 424-9300 - EMERGENCY TELEPHONE: CHEMTREC
Emergency: (703) 527-3887 - OUTSIDE OF THE U.S. CHEMTREC

PREPARATION DATE: 10/12/2009
 LAST REVISION DATE: 1/13/2010

SECTION 2 - HAZARDS IDENTIFICATION

Emergency Overview

GHS
<p>Causes serious eye irritation. Causes skin irritation. May cause cancer via Inhalation. May cause damage to organs - Lungs/Respiratory System through prolonged or repeated exposure via inhalation.</p> <p>Wear protective gloves, chemical goggles and a vapor respirator. Do not breathe dust, fume, gas, mist, vapors and/or spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and</p>

understood. Store locked up.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.



GHS: Specific Target Organ Toxicity Repeated Exposure - Category 2, Skin Corrosion/Irritation - Category 2, Serious Eye Damage, Eye Irritation - Category 2A, Carcinogenicity - Category 1B

NFPA/HMIS RATINGS:

	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	<u>Degree of Hazard</u>
NFPA RATING:	1	1	0	0 - Minimal (Insignificant) 1 - Slight 2 - Moderate 3 - Serious (High) 4 - Severe (Extreme)
HMIS RATING:	1*	1	0	* - Chronic Health Effect(s)

PHYSICAL FORM: Liquid

COLOR: Various

ODOR: No data available

HAZARDS: Irritant, Carcinogen

OSHA: Irritant, Carcinogen

WHMIS: Class D - Poisonous and Infectious Materials - Division 2 - Subdivision A, Class D - Poisonous and Infectious Materials - Division 2 - Subdivision B

GHS: Specific Target Organ Toxicity Repeated Exposure - Category 2, Skin Corrosion/Irritation - Category 2, Serious Eye Damage, Eye Irritation - Category 2A, Carcinogenicity - Category 1B

ROUTE OF ENTRY: Inhalation

TARGET ORGANS: Lungs/Respiratory System

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing lung conditions which may be aggravated if fumes/dusts are inhaled.

POTENTIAL HEALTH EFFECTS:

INHALATION:

ACUTE (IMMEDIATE): May cause irritation.

CHRONIC (DELAYED): Repeated and prolonged exposure may cause cancer.

SKIN:

ACUTE (IMMEDIATE): May cause irritation.

CHRONIC (DELAYED): No data available

EYE:

ACUTE (IMMEDIATE): May cause irritation.

CHRONIC (DELAYED): No data available

INGESTION:

ACUTE (IMMEDIATE): Ingestion of this product is unlikely.

CHRONIC (DELAYED): No data available

MUTAGENIC EFFECTS: No information available for the product.

CARCINOGENIC EFFECTS: Repeated and prolonged exposure may cause cancer.

Ingredients:

- Titanium oxide
IARC - Group 2B (Possibly Carcinogenic to Humans)
- Carbon Black
IARC - Group 2B (Possibly Carcinogenic to Humans)
U.S. - California - Proposition 65 - Carcinogens List
- Palygorskite
IARC - Group 2B (Possibly Carcinogenic to Humans)
U.S. - California - Proposition 65 - Carcinogens List

REPRODUCTIVE EFFECTS: No information available for the product.

OTHER HEALTH EFFECTS: None known.

See Section 12 for Ecological Information

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Composition/Information on Ingredients

Chemical Name	CAS	%(weight)	UN;EINECS	LD50/ LC50
Water	7732-18-5	48.98% TO 61.06%	231-791-2	NDA
Nepheline syenite	37244-96-5	1% TO 13%	NDA	NDA
2-Propanol, 1-(2-butoxy-1-methylethoxy)-	29911-28-2	1.68% TO 5%	249-951-5	skn-rbt LD50:5860 uL/kg ori-rat LD50:1620 uL/kg
Titanium oxide	13463-67-7	1% TO 5%	236-675-5	NDA
Carbon Black	1333-86-4	0.1% TO 1%	215-609-9	ori-rat LD50:>15400 mg/kg skn-rbt LD50:>3 gm/kg

Palygorskite	12174-11-7	0.1% TO 1%	NDA	NDA
2-Propanol, 1-butoxy-	5131-66-8	0.59% TO 0.84%	225-878-4	orl-rat LD50:5660 uL/kg skn-rbt LD50:3100 mg/kg
2-Propanol, 1-phenoxy-	770-35-4	0.25% TO 0.29%	212-222-7	orl-rat LD50:2830 mg/kg skn-rbt LD50:>2 gm/kg
1,2-Propanediol	57-55-6	0.12% TO 0.17%	200-338-0	orl-rbt LD50:18500 mg/kg orl-rat LD50:20 gm/kg skn-rbt LD50:20800 mg/kg skn-rbt LD50:20800 mg/kg

According to the Globally Harmonized Standard for Classification and Labeling (GHS) this product is considered Hazardous. In Canada, the product mentioned above is considered Hazardous under the Workplace Hazardous Materials Information System (WHMIS). Under United States Regulations (29 CFR 1900.1200 - Hazard Communication Standard) this product is considered Hazardous.

See Section 11 for Toxicological Information

SECTION 4 - FIRST AID MEASURES

INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician or poison control center.

SKIN: Rinse skin immediately with plenty of water for 15-20 minutes. Get medical attention if symptoms occur.

EYE: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Get medical attention if symptoms occur.

INGESTION: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Do not give anything by mouth to an unconscious person.

See Section 2 for Potential Health Effects

SECTION 5 - FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

LARGE FIRES: Water spray, fog or regular foam.

SMALL FIRES: Dry chemical, CO2, water spray or regular foam.

UNSUITABLE EXTINGUISHING MEDIA: No data available

FIREFIGHTING PROCEDURES:

LARGE FIRES: Dike fire control water for later disposal; do not scatter the material

LARGE FIRES: Move containers from fire area if you can do it without risk

UNUSUAL FIRE AND EXPLOSION HAZARDS: Containers may explode when heated. Some of these materials may burn, but most do not ignite readily.

HAZARDOUS COMBUSTION PRODUCTS: Fire will produce irritating, corrosive and/or toxic gases.

FLASH POINT: > 200 F(> 93.3 C)

FLASH POINT TEST TYPE: OC (Open Cup)

EXPLOSION LIMITS

UPPER: No Data Available LOWER: No Data Available

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Do not touch or walk through spilled material. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Stop leak if you can do it without risk.

EMERGENCY PROCEDURES: As an immediate precautionary measure, isolate spill or leak area in all directions for at least 50 meters (150 feet) for liquids and at least 25 meters (75 feet) for solids.

CONTAINMENT/CLEAN-UP MEASURES:

LARGE SPILLS: Dike far ahead of spill for later disposal.

SMALL LIQUID SPILLS: Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Avoid contact with skin, eyes or clothing. Wear gloves and chemical goggles when handling. Do not breathe (dust, vapor or spray mist). Use only with adequate ventilation.

STORAGE: Store in a well-ventilated area away from sources of ignition and incompatibles. Ventilate enclosed areas.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

PPE:



RESPIRATORY PROTECTION: Wear vapor respirator.

EYE/FACE PROTECTION: Wear chemical goggles.

HANDS PROTECTION: Protective gloves recommended.

SKIN/BODY PROTECTION: Wear impervious clothing.

GENERAL INDUSTRIAL HYGIENE CONSIDERATIONS: In accordance with good industrial hygiene practices, precautions should be taken to avoid contact. If contact occurs, wash hands, face and other potentially exposed areas immediately after handling material (especially before eating, drinking, or smoking).

ENGINEERING MEASURES/CONTROLS: Adequate ventilation systems as needed to control concentrations of airborne

contaminants below applicable threshold limit values.

LISTED EXPOSURE LIMITS:

US STATE CALIFORNIA

- Carbon Black (1333-86-4) : **PELs:** (3.5 mg/m³ PEL)
- Titanium oxide (13463-67-7) : **PELs:** (10 mg/m³ PEL (total dust); 5 mg/m³ PEL (respirable fraction, listed under Particulates not otherwise regulated))

United States - OSHA

- Carbon Black (1333-86-4) : **TWAs (Final PELs):** (3.5 mg/m³ TWA) **TWAs (Vacated PELs):** (3.5 mg/m³ TWA)
- Titanium oxide (13463-67-7) : **TWAs (Final PELs):** (15 mg/m³ TWA (total dust)) **TWAs (Vacated PELs):** (10 mg/m³ TWA (total dust))

United States - ACGIH

- Carbon Black (1333-86-4) : **TWAs:** (3.5 mg/m³ TWA) **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)
- Titanium oxide (13463-67-7) : **TWAs:** (10 mg/m³ TWA) **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen) **TLV Basis - Critical Effects:** (lower respiratory tract irritation)

United States - NIOSH

- Carbon Black (1333-86-4) : **TWAs:** (3.5 mg/m³ TWA; 0.1 mg/m³ TWA (as PAH, carbon black in presence of polycyclic aromatic hydrocarbons))

Canada - British Columbia

- Carbon Black (1333-86-4) : **TWAs:** (3.5 mg/m³ TWA) **Carcinogens:** (IARC Category 2B - Possible Human Carcinogen)
- Designated Substances:** (IARC Category 2B - Possible Human Carcinogen)
- Titanium oxide (13463-67-7) : **TWAs:** (10 mg/m³ TWA (total dust); 3 mg/m³ TWA (respirable fraction)) **Carcinogens:** (IARC Category 2B - Possible Human Carcinogen) **Designated Substances:** (IARC Category 2B - Possible Human Carcinogen)

Canada - Manitoba

- Carbon Black (1333-86-4) : **TWAs:** (3.5 mg/m³ TWA) **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)
- Titanium oxide (13463-67-7) : **TWAs:** (10 mg/m³ TWA) **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)

Canada - New Brunswick

- Carbon Black (1333-86-4) : **TWAs:** (3.5 mg/m³ TWA) **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)
- Titanium oxide (13463-67-7) : **TWAs:** (10 mg/m³ TWA) **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)

Canada - Northwest Territories

- Carbon Black (1333-86-4) : **TWAs:** (3.5 mg/m³ TWA) **STELs:** (7 mg/m³ STEL)
- Titanium oxide (13463-67-7) : **TWAs:** (5 mg/m³ TWA (respirable mass); 10 mg/m³ TWA (total mass))

Canada - Nova Scotia

- Carbon Black (1333-86-4) : **TWAs:** (3.5 mg/m³ TWA) **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)
- Titanium oxide (13463-67-7) : **TWAs:** (10 mg/m³ TWA) **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)

Canada - Nunavut

- Carbon Black (1333-86-4) : **TWAs:** (3.5 mg/m³ TWA) **STELs:** (7 mg/m³ STEL)
- Titanium oxide (13463-67-7) : **TWAs:** (5 mg/m³ TWA (respirable mass); 10 mg/m³ TWA (total mass))

Canada - Ontario

- Nepheline syenite (37244-96-5) : **TWAEVs:** (10 mg/m³ TWAEV (total dust))
- Carbon Black (1333-86-4) : **TWAEVs:** (3.5 mg/m³ TWAEV)
- 1,2-Propanediol (57-55-6) : **TWAEVs:** (50 ppm TWAEV (total aerosol and vapour); 155 mg/m³ TWAEV (total aerosol and vapour); 10 mg/m³ TWAEV (aerosol only, for assessing the visibility in a work environment))
- Titanium oxide (13463-67-7) : **TWAEVs:** (10 mg/m³ TWAEV (total dust))

Canada - Quebec

- Palygorskite (12174-11-7) : **TWAEVs:** (1 fibre/cm³ TWAEV (respirable)) **Carcinogens:** (C1 carcinogen - effect detected in humans)
- Carbon Black (1333-86-4) : **TWAEVs:** (3.5 mg/m³ TWAEV)
- Titanium oxide (13463-67-7) : **TWAEVs:** (10 mg/m³ TWAEV (total dust, containing no asbestos and less than 1% crystalline silica))

Canada - Yukon

- Carbon Black (1333-86-4) : **TWAs:** (3.5 mg/m³ TWA) **STELs:** (7 mg/m³ STEL)
- Titanium oxide (13463-67-7) : **TWAs:** (30 mppcf TWA; 10 mg/m³ TWA) | **STELs:** (20 mg/m³ STEL)

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM: Liquid

APPEARANCE/DESCRIPTION: Liquid in various colors.

COLOR: Various		ODOR: No data available	
TASTE: No data available		ODOR THRESHOLD: NDA	
BOILING POINT:	>= 100 F(>= 37.78 C)	VAPOR PRESSURE:	NDA
MELTING POINT/FREEZING POINT:	= NDA	VAPOR DENSITY:	NDA
SPECIFIC GRAVITY:	= NDA	EVAPORATION RATE:	NDA
DENSITY:	= NDA	VOC (WT.):	NDA
BULK DENSITY:	NDA	VOC (VOL.):	NDA
WATER SOLUBILITY:	NDA	VOLATILES (WT.):	NDA
SOLVENT SOLUBILITY:	NDA	VOLATILES (VOL.):	NDA
VISCOSITY:	NDA	FLASH POINT:	> 200 F(> 93.3 C)
HALF-LIFE:	NDA	FLASH POINT TEST TYPE:	OC (Open Cup)
OCTANOL/WATER PARTITION COEFFICIENT:	NDA	UEL:	NDA
COEFFICIENT OF WATER/OIL DISTRIBUTION:	NDA	LEL:	NDA
BIOACCUMULATION FACTOR:	NDA	AUTOIGNITION:	NDA
PH:	NDA		

SECTION 10 - STABILITY AND REACTIVITY

STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Hazardous polymerization not indicated.

CONDITIONS TO AVOID: Avoid creating dusts. Keep away from heat, ignition sources and incompatible materials.

INCOMPATIBLE MATERIALS: Strong oxidizers and acids.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

SECTION 11 - TOXICOLOGICAL INFORMATION

This product has not been tested as a separate entity. Therefore, the hazards must be evaluated on the basis of the individual ingredients, and those hazards must be assumed to be additive in the absence of complete

information. The hazards described in this document have been evaluated on a threshold of 1.0% for all hazardous ingredients and 0.1% for all carcinogens, mutagens, reproductive hazards and respiratory sensitizers.

ACUTE TOXICITY: Irritation may be observed in the upper respiratory system, eyes, and skin.

COMPONENT CARCINOGENICITY:

- Titanium oxide
IARC - Group 2B (Possibly Carcinogenic to Humans)
- Carbon Black
IARC - Group 2B (Possibly Carcinogenic to Humans)
U.S. - California - Proposition 65 - Carcinogens List
- Palygorskite
IARC - Group 2B (Possibly Carcinogenic to Humans)
U.S. - California - Proposition 65 - Carcinogens List

SECTION 12 - ECOLOGICAL INFORMATION

PRODUCT INFORMATION: No information available for the product.

ECOLOGICAL FATE: No information available for the product.

PERSISTANCE/DEGRADABILITY: No information available for the product.

SECTION 13 - DISPOSAL CONSIDERATIONS

PRODUCT: No information available for this product. 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.

DISPOSAL: Dispose of waste material according to local, state, federal, and provincial environmental regulations.

SECTION 14 - TRANSPORTATION INFORMATION

U.S. DOT 49 CFR 172.101:

SHIPPING NAME: Not Regulated for Transportation

TDG - CANADA - TRANSPORT OF DANGEROUS GOODS:

SHIPPING NAME: Not Classified as a Dangerous Good for Transport

SECTION 15 - REGULATORY INFORMATION

SARA HAZARD CLASSIFICATIONS:

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

US FEDERAL:

GENERAL PRODUCT INFORMATION:

Components of this product have been checked against the non-confidential TSCA inventory by CAS Registry Number. Components not identified on this non-confidential inventory are either exempt from listing (i.e. polymers, hydrates) or are listed on the confidential inventory as declared by the supplier.

CERCLA:

This material does not contain chemicals required to be identified under CERCLA (40 CFR 302.4).

STATE REGULATIONS:

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
Nepheline syenite	37244-96-5	No	No	No	No	No	No
2-Propanol, 1-(2-butoxy-1-methylethoxy)-	29911-28-2	No	No	No	No	No	No
Titanium oxide	13463-67-7	No	Yes	Yes	Yes	Yes	Yes
Carbon Black	1333-86-4	Yes	Yes	Yes	Yes	Yes	Yes
Palygorskite	12174-11-7	Yes	No	No	No	No	No
2-Propanol, 1-butoxy-	5131-66-8	No	No	No	No	No	No
2-Propanol, 1-phenoxy-	770-35-4	No	No	No	No	No	No
1,2-Propanediol	57-55-6	No	No	Yes	Yes	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:

Class D - Poisonous and Infectious Materials - Division 2 - Subdivision A, Class D - Poisonous and Infectious Materials - Division 2 - Subdivision B

COMPONENT ANALYSIS - WHMIS IDL:

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

- Carbon Black (1333-86-4) 1 to .1% 1 %
- 1,2-Propanediol (57-55-6) .17 to .12% 1 %

ADDITIONAL REGULATORY INFORMATION:

GENERAL PRODUCT INFORMATION:

No information available for the product.

COMPONENT ANALYSIS – INVENTORY:

Component	CAS #	TSCA	DSL	EINECS
Nepheline syenite	37244-96-5	Yes	Yes	No
2-Propanol, 1-(2-butoxy-1-methylethoxy)-	29911-28-2	Yes	Yes	Yes

Titanium oxide	13463-67-7	Yes	Yes	Yes
Carbon Black	1333-86-4	Yes	Yes	Yes
Palygorskite	12174-11-7	Yes	No	No
2-Propanol, 1-butoxy-	5131-66-8	Yes	Yes	Yes
2-Propanol, 1-phenoxy-	770-35-4	Yes	Yes	Yes
1,2-Propanediol	57-55-6	Yes	Yes	Yes

SECTION 16 - OTHER INFORMATION

PREPARATION DATE: 10/12/2009

LAST REVISION DATE: 1/13/2010

DISCLAIMER: Reasonable care has been taken in the preparation of this information, but the 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.

For reference to the acronyms/definitions used in this MSDS please visit www.certainteed.com.

This is the end of MSDS # CT10107-2