

# Material Safety Data Sheet

CertainTeed 



HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

MSDS Number: CT 10062-2  
DATE PREPARED: November 28, 2007

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product/Trade Name:**

FlintPrime™ SA (5-gallon, 3-gallon, and 1-gallon containers)

**Chemical Name:** Mixture

**CAS #:** Not Applicable

**Common Name:** FlintPrime™

**Product Use:** Special water-based primer for concrete, wood and other surfaces designed for use with SA membranes to improve adhesion. Packaged in 5 gallon pails, 3 gallon buckets and 1 gallon cans.

**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: Clear liquid, mild petroleum odor.

May be harmful or fatal if ingested, inhaled or absorbed through the skin. May cause mild to 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

May be harmful or fatal if ingested, inhaled or absorbed through the skin. May cause mild to 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.

### 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. This product may be harmful if it is absorbed through the skin.

**Potential Health Effects: Ingestion**

This product may be harmful or fatal 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: 1 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
25265-77-4	2,2,4-Trimethylpentane-1,3-diol monoisobutyrate	2.5
111-76-2	2-Butoxyethanol	1.2

**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

**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**

Get immediate 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. Slight fire hazard.

**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: 1 Reactivity: 0**

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

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**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:**

Ventilate the contaminated area. Absorb spilled material with inert absorbent (sand, earth). Shovel material into an appropriate container for disposal or recovery. 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.

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**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:**

Do not handle or store near an open flame, heat or other sources of ignition. Store in a cool, dry, well-ventilated area. Do not allow to freeze.

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**8. EXPOSURE CONTROL / PERSONAL PROTECTION****A: Component Exposure Limits****2-Butoxyethanol (111-76-2)**

ACGIH: 20 ppm TWA

OSHA: 50 ppm TWA; 240 mg/m<sup>3</sup> TWA  
prevent or reduce skin absorption

NIOSH: 5 ppm TWA; 24 mg/m<sup>3</sup> TWA  
Potential for dermal absorption

**Engineering Controls:**

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits identified in Section 8.

**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 breakthrough times and glove types). Wear appropriate chemical resistant clothing.

**Personal Protective Equipment: Respiratory**

If ventilation is not sufficient to effectively prevent buildup of vapors, appropriate NIOSH respiratory protection with organic vapor protection must be provided.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear	<b>Odor:</b>	Mild Petroleum Odor
<b>Physical State:</b>	Liquid	<b>pH:</b>	Not Available
<b>Vapor Pressure:</b>	0.66 mm at 68°F	<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 (H<sub>2</sub>O):</b>	Soluble	<b>Specific Gravity:</b>	Not Available
<b>Percent Volatile:</b>	<5% by volume	<b>Flash Point:</b>	Not Applicable
<b>Flash Point Method:</b>	Not Applicable	<b>Lower Flammability Limit:</b>	Not Applicable
<b>Upper Flammability Limit:</b>	Not Applicable	<b>Auto Ignition Temp.:</b>	Not Available
<b>Burning Rate:</b>	Not Applicable		

**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 and caustics.

**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. Harmful by skin absorption. Ingestion of this product may be harmful or fatal. 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**

**2-Butoxyethanol (111-76-2)**

ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans  
 IARC: Monograph 88 [2006] (Group 3 (not classifiable))

**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**

**2,2,4-Trimethylpentane-1,3-diol monoisobutyrate (25265-77-4)**

<b>Test &amp; Species</b>		<b>Conditions</b>
96 Hr LC50 Pimephales promelas	0.032 mg/L	
72 Hr EC50 Selenastrum capricornutum	18.4 mg/L	
48 Hr EC50 water flea	>0.1 mg/L	

**2-Butoxyethanol (111-76-2)**

<b>Test &amp; Species</b>		<b>Conditions</b>
96 Hr LC50 Lepomis macrochirus	1490 mg/L	static
24 Hr EC50 water flea	1720 mg/L	
24 Hr LC50 Daphnia magna	1698-1940 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:** This product is not classified as a dangerous good.

**15. REGULATORY INFORMATION**

**US Federal**

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

**B: 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:** 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
2-Butoxyethanol	111-76-2	Yes	Yes	Yes	Yes	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 – 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
2-Butoxyethanol	111-76-2	1 %

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

**Additional Regulatory Information**

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

**B: Component Analysis - Inventory**

Component	CAS #	TSCA	DSL	EINECS
2,2,4-Trimethylpentane-1,3-diol monoisobutyrate	25265-77-4	Yes	Yes	Yes
2-Butoxyethanol	111-76-2	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>
12/09/2003	CT 10062-1	New MSDS
06/15/2007	CT 10062-2	Formulation Modification
11/28/2007	CT 10062-2	Added HMIS information Reformatted section numbering

This is the end of MSDS # CT 10062-2