

Material Safety Data Sheet

CertainTeed

| | |
|---------------------|---|
| HEALTH | 2 |
| FLAMMABILITY | 2 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | B |

MSDS Number: CT 10099-1
DATE PREPARED: November 28, 2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product/Trade Name:
FlintPrime™ Low VOC

Chemical Name: Mixture
CAS #: Not Applicable
Common Name: None

Product Use: All purpose primer for concrete and other surfaces. 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: Black, viscous liquid, petroleum odor.

May cause irritation to the respiratory system, skin and eyes, If ingested may cause gastrointestinal irritation. Product may be absorbed by skin. Absorption may result in moderate irritation, defatting and dermatitis.

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 defatting and dermatitis. Ingestion of this product may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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

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. Intentional misuse by deliberately inhaling this product may be harmful or fatal.

Medical Conditions Aggravated by Exposure: None.

HMIS Ratings: Health: 2 Fire: 2 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* |
|-----------|-------------------|----------|
| 8052-42-4 | Petroleum Asphalt | <70 |
| 8052-41-3 | Stoddard solvent | >30 |

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

Aspiration hazard. DO NOT induce vomiting. If vomiting does occur, keep head lower than hips to help prevent aspiration. Get immediate medical attention.

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.

May be ignited by heat, sparks or flames. Containers exposed to elevated temperatures (such as heat, sparks or flames) may explode. Vapors may travel and can be ignited by a remote source of ignition and flash back. Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion.

Hazardous Combustion Products:

Fire may produce irritating or poisonous gases. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Extinguishing Media:

Dry chemical, foam, carbon dioxide, water fog. For large fires, use alcohol-resistant foam or flood with fine water spray.

Fire Fighting Equipment/Instructions

Wear full protective clothing, including helmet, self-contained positive pressure breathing apparatus, protective clothing and face mask.

NFPA Ratings: Health: 2 Fire: 2 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:

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.

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.

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.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

A: Component Exposure Limits

Petroleum Asphalt (8052-42-4)

ACGIH: 0.5 mg/m³ TWA (fume, inhalable fraction, as benzene soluble aerosol)
 NIOSH: 5 mg/m³ Ceiling (15 min, fumes)

Stoddard solvent (8052-41-3)

ACGIH: 100 ppm TWA
 OSHA: 500 ppm TWA; 2900 mg/m³ TWA
 NIOSH: 350 mg/m³ TWA
 1800 mg/m³ Ceiling (15 min)

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

Safety glasses with sideshields or chemical goggles are recommended. Add face shield if splashing is possible.

Personal Protective Equipment: Skin

Wear impervious gloves such as nitrile or Viton® (consult glove manufacturer for specific 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

| | |
|---|---|
| Appearance: Black | Odor: Mild petroleum odor |
| Physical State: Liquid, thick, viscous | pH: Not Available |
| Vapor Pressure: Not Available | Vapor Density: Heavier than air |
| Boiling Point: 300-390°F (149-199°C) | Melting Point: Not Applicable |
| Solubility (H₂O): Negligible | Specific Gravity: Not Available |
| Evaporation Rate: Slower than ether | Bulk Density: 7.7 lbs/gallon |
| Percent Volatile: <30% by volume | Flash Point: Not Available |
| Flash Point Method: Not Available | Lower Flammability Limit: Not Available. |
| Upper Flammability Limit: Not Available. | Auto Ignition Temp.: Not available |

10. CHEMICAL STABILITY AND REACTIVITY INFORMATION

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Heat and flames.

Incompatibility: Oxidizing materials.

Hazardous Decomposition:

Fire may produce irritation or poisonous gases. This product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Possibility of Hazardous Reactions: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Dose Effects

A: General Product Information:

May cause irritation to the throat, mucous membranes respiratory system. Vapors may cause severe irritation to the eyes, redness, tearing and blurred vision. If ingested may cause gastrointestinal irritation, headache, nausea, weakness, drowsiness, convulsions, unconsciousness, burning sensation in the mouth, esophagus and stomach. May cause kidney damage. Ventricular fibrillation may also occur. Lung damage may occur if aspirated into the lungs and may be fatal. Product may be absorbed by skin.

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.

Repeated Dose Effects:

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

Carcinogenicity

A: General Product Information:

Asphalt (8052-42-2) is classified as a group 2B (Possibly carcinogenic to humans) by IARC. This product may cause central nervous system depression after prolonged exposure, if ingested or inhaled.

B: Component Carcinogenicity:**Petroleum Asphalt (8052-42-4)**

ACGIH: A4 - Not Classifiable as a Human Carcinogen

NIOSH: potential occupational carcinogen

IARC: Supplement 7 [1987], Monograph 35 [1985] (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 - 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****A: General Product Information:**

If discarded, this product is considered a RCRA ignitable waste, D001. This product contains components identified as hazardous under 40 CFR 261.24.

B: Component Waste Numbers:

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

Disposal Instructions:

Waste must be handled in accordance with all federal, state, provincial, and local regulations. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

14. TRANSPORTATION INFORMATION**US DOT Information:****Shipping Name:** Combustible liquid, n.o.s. (Contains: Petroleum Asphalt , Stoddard solvent)**UN/NA #:** NA1993 **Hazard Class:** Combustible liquid **Packing Group:** III

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:** Yes **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 |
|-------------------|-----------|-----|-----|-----|-----|-----|-----|
| Petroleum Asphalt | 8052-42-4 | Yes | Yes | Yes | Yes | Yes | Yes |
| Stoddard solvent | 8052-41-3 | Yes | Yes | Yes | Yes | Yes | Yes |

C: 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 and/or birth defects or other reproductive harm.

Canadian WHMIS Information

A: General Product Information:

WHMIS Classification:

WHMIS Class B3 - Combustible Liquid
 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 |
|------------------|-----------|--|
| Stoddard solvent | 8052-41-3 | 1 %; English Item 1468; French Item 1498 |

WHMIS Classification:

WHMIS Classification:

WHMIS Class B3 - Combustible Liquid
 WHMIS Class D2B - 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 |
|-------------------|-----------|------|-----|--------|
| Petroleum Asphalt | 8052-42-4 | Yes | Yes | Yes |
| Stoddard solvent | 8052-41-3 | 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.

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 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; |
| 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 10099-1 | New MSDS |
| 11/28/2007 | CT 10099-1 | Added HMIS information Reformat section numbering |

This is the end of MSDS # CT 10099-1