

Material Safety Data Sheet

CertainTeed

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

MSDS Number: CT 10086-1
DATE PREPARED: April 13, 2006

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product/Trade Name:

| | |
|------------------------|------------------|
| Roof Wrap™ 15/15UL | Shakefelt™ |
| Roof Wrap™ 30/30UL | Shakeliner™ |
| ShingleFelt™ 15 | #30 18" Strips |
| ShingleFelt™ 30 | Roofers' Select™ |
| No. 15 Perforated Felt | |

Chemical Name: Not Applicable

CAS #: Not Applicable

Common Name: Roofing underlayment

Product Use: Asphalt impregnated underlayments are designed for use on roof decks as a water-resistant layer beneath roofing shingles and wood shakes.

MANUFACTURER INFORMATION:

CertainTeed Corporation
P.O. Box 860
Valley Forge, PA 19482-0101

Phone: (610) 341-7000 9 AM – 5 PM
(Eastern Time – USA)
CertainTeed-EHS@saint-gobain.com

EMERGENCY TELEPHONE: CHEMTREC (800) 424-9300

2. COMPOSITION / INFORMATION ON INGREDIENTS

All Listed Products contain:

| CAS # | Component | Percent |
|-----------|-------------------|---------|
| 9004-34-6 | Cellulose | 37 - 54 |
| 8052-42-4 | Petroleum Asphalt | 25 - 61 |

Roofers' Select™ also contains:

| CAS # | Component | Percent |
|------------|--|---------|
| 65997-17-3 | Continuous filament fiber glass (encapsulated) | 1 - 8 |

Component Information/Information on Non-Hazardous Components

The products listed above are articles as defined by the OSHA Hazard Communication Standard at 29 CFR 1910.1200. The product's end-use is dependent upon its manufactured shape and design, and under normal conditions of use, it does not release chemicals that present a physical or health hazard. These products do not contain any form of asbestos materials.

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

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.

Summary

Hazardous exposures are unlikely to occur with the use of these products. Roofers Select™ contains a small percentage of glass fibers which may be released during normal use. Glass fibers may cause slight temporary irritation to skin, eyes, nose, or throat.

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

Potential Health Effects: Eyes

Contact with the eye may result in mechanical irritation characterized by itching or redness.

Potential Health Effects: Skin

Dusts may cause mechanical irritation. 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: 0 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.

Hazardous Combustion Products:

Decomposition products from this material are those that would be expected from any organic material. These may include carbon dioxide, carbon monoxide and formaldehyde.

Extinguishing Media

Water spray, dry chemical, foam, carbon dioxide.

Fire Fighting Equipment/Instructions

Standard firefighting protective equipment is recommended, including full-face, self contained breathing apparatus.

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

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

6. ACCIDENTAL RELEASE MEASURES

Containment Procedures

Pick up large pieces. Vacuum dusts. If sweeping is necessary, consider the use of a dust suppressant such as water, to minimize potential exposures.

Clean-Up Procedures

Avoid the generation of dusts during clean-up. Pick up or scoop up material and put into a suitable container for disposal as a non-hazardous waste. This product should not be burned as construction waste.

Evacuation Procedures: None necessary.

Special Procedures

Wear appropriate protective equipment and clothing as necessary during clean-up.

7. HANDLING AND STORAGE

Handling Procedures

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

Storage Procedures

Warehouse storage should be in accordance with package directions. Material should be kept dry, and protected from the elements.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Component Exposure Limits

Cellulose (9004-34-6)

ACGIH: 10 mg/m³ TWA

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)

Petroleum Asphalt (8052-42-4)

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

Continuous Filament Fiber Glass (65997-17-3)

ACGIH: 1 f/cc (inhalable fraction)
 5 mg/m3 (respirable fraction)
 NIOSH: 5 mg/m3 (total fibers)
 OSHA¹: 1 f/cc (respirable fraction)

¹ North American Insulation Manufacturers Association (NAIMA) Health & Safety Partnership Program (HSPP)

Engineering Controls

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

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: General

No special protective measures are necessary for use of this product. Under normal conditions of use this product is not expected to release, or otherwise result in exposure to a hazardous chemical. Use good personal hygiene practices in handling this material.

Personal Protective Equipment: Eyes/Face

Safety glasses with side shields may be worn to reduce the risk of eye irritation & injury.

Personal Protective Equipment: Skin

Wear leather or other appropriate work gloves, as necessary, for type of operation to prevent skin contact or irritation.

Personal Protective Equipment: Respiratory

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

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Appearance: Black flexible mat or sheet | Odor: Petroleum Odor |
| 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 Applicable | Specific Gravity: Not Applicable |
| Flash Point: Not Applicable | Flash Point Method: Not Applicable |
| Lower Flammability Limit: Not Applicable | Upper Flammability Limit: Not Applicable |
| Auto Ignition Temp.: Not Available | Burning Rate: Not Available |

10. CHEMICAL STABILITY AND REACTIVITY INFORMATION

Chemical Stability: Stable under normal conditions.

Chemical Stability: Conditions to Avoid

Avoid dispersion of dust in air. Keep away from heat, sparks, or open flame.

Incompatibility: None identified.

Hazardous Decomposition: None identified.

Possibility of Hazardous Reactions: None expected.

11. TOXICOLOGICAL INFORMATION

Acute Dose Effects

A: General Product Information

No information available for the product.

B: Repeated Dose Effects

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

Carcinogenicity

A: General Product Information: No information available for the product.

B: Component Carcinogenicity

Petroleum Asphalt (8052-42-4)

ACGIH: A4 - Not Classifiable as a Human Carcinogen (as benzene soluble aerosol)

NIOSH: Potential Occupational Carcinogen (fume)

IARC: Supplement 7, 1987; Monograph 35, 1985 (extracts of steam and air refined bitumens) (Group 3 (Unclassifiable as to Carcinogenicity in 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

This product has not been tested. Based on information related to the final product it is not expected to harm ecosystems through its applied use.

13. WASTE DISPOSAL CONSIDERATIONS

US EPA Waste Number & Descriptions

A: 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.

B: Component Waste Numbers: Not Applicable

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

International & US Transportation Regulations

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

15. REGULATORY INFORMATION

US Federal Regulations

A: General Product Information

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

B: CERCLA

Releases of this material to air or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA: 40 CFR 302.4) or to State and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA), Title III, Section 304.

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

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

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 |
|--|------------|-----|-----|-----|-----|-----|-----|
| Cellulose | 9004-34-6 | No | Yes | Yes | No | Yes | Yes |
| Petroleum Asphalt | 8052-42-4 | Yes | Yes | Yes | Yes | Yes | Yes |
| Continuous filament fiber glass (encapsulated) | 65997-17-3 | No | No | Yes | No | No | No |

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 birth defects, or other reproductive harm.

Canadian WHMIS Information

A: General Product Information

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

B: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

WHMIS Classification: None.

Additional Regulatory Information

A: General Product Information

No additional information available.

B: Component Analysis - Inventory

| Component | CAS # | TSCA | DSL | EINECS |
|--|------------|------|-----|--------|
| Cellulose | 9004-34-6 | Yes | Yes | Yes |
| Petroleum Asphalt | 8052-42-4 | Yes | Yes | Yes |
| Continuous filament fiber glass (encapsulated) | 65997-17-3 | 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 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;
- HMIS Hazardous Material Identification System;
- IARC International Agency for Research on Cancer;
- LFL Lower Flammable Limit;
- mg/m³ 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

| Date | MSDS No. | Comments |
|------------|--------------------------------------|----------|
| 04/13/2006 | CT 10086-1 | New MSDS |
| | This is the end of MSDS # CT 10086-1 | |