

Material Safety Data Sheet

CertainTeed

HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

MSDS Number: CT 10067-2
DATE PREPARED: November 28, 2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product/Trade Name:
FlintCoat™-A NF

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

Product Use: Asbestos-free asphalt with an aluminum pigment used as a reflective roofing coating with modified bitumen membranes, B.U.R. and primed metal surfaces. Packaged in 5 gallon pails and applied by brush, roller or spray.

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

TELEPHONE AND E-MAIL:
(610) 341-7000 9 AM – 5 PM
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CertainTeed-EHS@saint-gobain.com

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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. This product contains a component that may be absorbed through the skin. Absorption may result in moderate irritation, defatting, dermatitis, and effects resembling those from inhalation. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury. Inhalation of this product may cause central nervous system depression.

Summary:

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. This product is an aspiration hazard. May cause central nervous system depression. This product contains components that may cause cancer.

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*
8052-41-3	Stoddard solvent	<40
Not Available	Aluminum Paste	<30
8052-42-4	Petroleum Asphalt	<30
1317-65-3	Limestone	<25

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

If ingested seek 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.

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, aluminum oxides and/or low molecular weight hydrocarbons.

Extinguishing Media:

Dry chemical, foam, carbon dioxide, water fog.

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:

Wear appropriate protective equipment and clothing during clean-up. Absorb spill with inert material. Shovel material into appropriate container for disposal. 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. 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.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

A: Component Exposure Limits

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)

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)

Limestone (1317-65-3)

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)

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

Use safety glasses with sideshields or chemical goggles to prevent splashing of material in eyes. Use a face shield if splashing of product is possible.

Personal Protective Equipment: Skin

Wear impervious gloves such as nitrile or Viton® (consult glove manufacturer for specific glove types and 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	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):	Insoluble	Specific Gravity:	Not Available
Evaporation Rate:	Slower than ether	Bulk Density:	8.7 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
Burning Rate:	Not Available		

10. CHEMICAL STABILITY AND REACTIVITY INFORMATION

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Heat and open flame.

Incompatibility: Strong oxidizers

Hazardous Decomposition:

Fire may produce irritation or poisonous gases. Upon decomposition, this product emits carbon monoxide, carbon dioxide, aluminum oxides 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 respiratory system, skin and eyes. Ingestion of this product may cause gastrointestinal irritation, headache, vomiting, diarrhea, drowsiness, dizziness, tremors, loss of coordination, lung congestion, internal bleeding, heart damage and unconsciousness. This product contains components that may be absorbed by skin.

Repeated Dose Effects: No additional information available.

Carcinogenicity

A: General Product Information: No additional information available.

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:

Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

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:

Shipping Name: Combustible liquid, n.o.s. (Contains: Stoddard solvent)

UN/NA #: NA1993 **Hazard Class:** Combustible liquid **Packing Group:** III

TDG Information:

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

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
Stoddard solvent	8052-41-3	Yes	Yes	Yes	Yes	Yes	Yes
Petroleum Asphalt	8052-42-4	Yes	Yes	Yes	Yes	Yes	Yes
Limestone	1317-65-3	No	Yes	Yes	No	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 Class D2B – Chronic Toxic Effects - Irritating to eyes and skin
 WHMIS Class B3 - Combustible Liquid

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 %

WHMIS Classification:

WHMIS Class D2B – Chronic Toxic Effects - Irritating to eyes and skin
 WHMIS Class B3 - Combustible Liquid

Additional Regulatory Information

A: 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.

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Stoddard solvent	8052-41-3	Yes	Yes	Yes
Petroleum Asphalt	8052-42-4	Yes	Yes	Yes
Limestone	1317-65-3	Yes	No	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 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>
8/27/2003	CT 10067-1	New MSDS
06/15/2007	CT 10067-2	Formulation Modification
11/28/2007	CT 10067-2	Added HMIS information Reformat section numbers

This is the end of MSDS # CT 10067-2