SAFETY DATA SHEET

Issuing Date 29-May-2015 **Revision Date** 28-Aug-2019 **Revision Number** 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS Product Identifier

Product Name: **Fibered Roof and Foundation Coating**

Other Means of Identification

Product Code(s): **62701, 62705**
Synonyms None

Recommended Use of the Chemical and Restrictions on Use

Recommended Use: Used to repair or rebuild roofing materials.
Uses Advised Against: For Exterior Use Only

Manufacturer's Details
Manufacturer Address

JETCOAT Inc.
472 Brehl Avenue
Columbus, OH 43223
TEL: 800-934-0047
www.jetcoatinc.com

Emergency Telephone Number Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

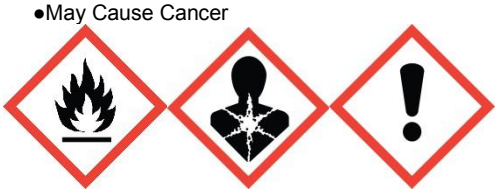
Skin Corrosion/Irritation	Category 2
Serious Eye Damage, Eye Irritation	Category 2A
Carcinogenicity	Category 1A
Flammable Liquids	Category 3

GHS Label Elements, Including Precautionary Statements

Emergency Overview

Signal Word **Warning**

- Flammable Liquid and Vapor
- Harmful or Fatal if Swallowed
- May Cause Cancer



Appearance: Black **Physical State:** Liquid **Odor:** Solvent (Mineral Spirits)

Precautionary Statements

Prevention	●Obtain Special Instructions Before Use ●Use Personal Protection as Required ●Avoid Breathing Dust/Mist/Vapor/Spray/Fume ●Do Not Eat, Drink, or Smoke When Using This Product ●Keep Container Tightly Closed When Not in Use ●Keep Away From Heat, Open Flame, Spark, or Hot Surfaces
General Advice	●None
Storage	●Store in a Well Ventilated, Cool Place
Disposal	●Dispose in Accordance with Local, Regional, National, and International Regulations

Hazard Not Otherwise Classified (HNOC)
Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %	Trade Secret
Asphalt	8052-42-4	20-50	*
Mineral Spirits	8052-41-3	10-40	*
Sodium Potassium Aluminum Silicate	93763-70-3	0-10	*
Cellulose Fiber	9004-34-6	0-10	*
Limestone	1317-65-3	0-20	*
Bentonite	1302-78-9	0-10	*

**The exact percentage of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of Necessary First-Aid Measures

Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions, see a physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	Drink plenty of water. Do NOT induce vomiting. Get medical attention immediately.

Most Important Symptoms/Effects, Acute and Delayed
Most Important Symptoms/Effects May cause Eye and Skin Irritation

Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary
Notes to Physician Treat Symptomatically. May cause sensitization by skin contact.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Carbon Dioxide (CO_2). Dry Chemical. Foam. Water Fog. Sand.

Unsuitable Extinguishing Media CAUTION: Do Not Use Solid Stream of Water.

Specific Hazards Arising from the Chemical
Combustible Liquid. Sealed Containers May Burst when Heated

Explosion Data

Sensitivity to Mechanical Impact	Not Sensitive
Sensitivity to Static Discharge	May Be Ignited by Heat, Flames, or Sparks

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure- demand MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures
Personal Precautions: Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Eliminate all ignition sources. Emergency responders should use personal protection described in Section 8.

Environmental Precautions

Environmental Precautions: Prevent entry into the environment. Alert Local Authorities if significant spillages cannot be contained. See Section 12 for additional Ecological Information

Methods and Materials for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly in accordance to environmental regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Handle in accordance with good industrial hygiene and safety practice. Remove all sources of ignition. Avoid contact with skin, eyes, and clothing. Wear personal protective equipment. Avoid breathing vapors or mists. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling.

Conditions for Safe Storage, Including Any Incompatibilities

Storage: Keep container tightly closed. Keep away from heat, sources of ignition, flame and spark. Store in a cool, well ventilated area.

Incompatible Products: Strong oxidizing agents. Acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Exposure Guidelines This product, as supplied , is not believed to contain any hazardous material that exceeds exposure limits established by OSHA.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Limestone 1317-65-3	-	TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³	TWA: 5 mg/m³ respirable dust TWA 10 mg/m³ total dust
Mineral Spirits 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m³	IDLH: 20000 mg/m³ Ceiling: 180 mg/m³ 15 min. TWA: 350 mg/m³
Sodium Potassium Aluminum Silicate 93763-70-3	-	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction	TWA: 5 mg/m³ respirable dust TWA 10 mg/m³ total dust
Asphalt 8052-42-4	TWA: 0.5 mg/m³ benzene soluble aerosol fume, inhalable fraction	-	Ceiling: 5 mg/m³ fume 15 min.
Cellulose Fiber 9004-34-6	TWA 10 mg/m³	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 5 mg/m³ (vacated) STEL 10 mg/m³	TWA: 1 mg/m³
Bentonite 1302-78-9	TWA 1 mg/m³ respirable fraction	-	-

Appropriate Engineering Controls

Engineering Measures: Showers
Eyewash Stations
Ventilation Systems- must be sufficient to keep vapor concentrations below the TWA limits shown above.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: If splashes are likely to occur, wear: Safety glasses with side shields.

Skin and Body Protection: Wear gloves that are impervious to chemical penetration.

Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures: Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Avoid breathing vapors.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State: Liquid
Appearance: Black
Odor: Solvent (Mineral Spirits)
Odor Threshold: No Information Available

Property	Values	Remarks/Method
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	154° C	
Flash Point	40.5° C	
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		Flammable above 40.5° C
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Density	0.89 @ 25° C	None known
Water Solubility	Insoluble	
Solubility in other solvents	Yes, in aromatic and aliphatic solvents.	
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	330° C	
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Explosive Properties	Vapor accumulation could flash or explode if ignited.	
Oxidizing Properties	None	

Other Information

VOC Content Less than 200 g/l

10. STABILITY AND REACTIVITY

Reactivity: No data available
Chemical Stability: Stable under recommended storage conditions.
Possibility of Hazardous Reactions: None under normal processing.
Hazardous Polymerization: Hazardous polymerization does not occur.
Conditions to Avoid: Avoid contact with strong oxidizing agents, flame, and sparks.
Incompatible Materials: Strong oxidizing agents. Acids.
Hazardous Decomposition Products: Carbon Monoxide (CO), Carbon Dioxide (CO^2), Hydrogen Sulfide, Nitrogen Dioxide

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation: May cause irritation of respiratory tract.
Eye Contact: Contact with eyes may cause irritation.
Skin Contact: May cause irritation.
Ingestion: If swallowed, do not induce vomiting. Get medical attention immediately.

Chemical Name	LD50 Oral	LD50 Dermal	LD50 Inhalation
Asphalt	5000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	-
Bentonite	>5000 mg/kg (Rat)	-	-
Cellulose Fiber	>5 g/kg (Rat)	>2 g/kg (Rabbit)	>5800 mg/m³ (Rat) 4 h

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics

Symptoms: Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, fatigue, nausea, and vomiting.

Delayed and Immediate Effects and also Chronic Effects from Short and Long Term Exposure

Sensitization: May cause sensitization to susceptible persons.
Mutagenic Effects: No information available.
Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen. The IARC, NTP, and OSHA do not list asphalt as a carcinogen. In general, the oxidation of polycyclic aromatic hydrocarbons destroys their carcinogenic potential. Petroleum asphalt, shale oil asphalts, and coal tars show distinct variation in their relative carcinogenicity for experimental animals.

Chemical Name	ACGIH	IARC	NTP	OSHA
Asphalt	A3	Group 2B	Reasonably Anticipated	X

ACGIH: (American Conference of Governmental Industrial Hygienists)
A3 – Animal Carcinogen
IRAC: (International Agency for Research on Cancer)
Group 2B – Possibly Carcinogenic to Humans
NTP: (National Toxicity Program)
Reasonably Anticipated – Reasonably Anticipated to be a Human Carcinogen
OSHA: (Occupational Safety & Health Administration)
X – Present

Reproductive Toxicity: No information available.
STOT - Single Exposure: No information available.
STOT – Repeated Exposure: No information available.
Aspiration Hazard: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity
The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Bentonite 1302-78-9		LC50 96 h: 8.0-19.0 g/L (Salmo gairdneri) LC50 96 h: = 19000 mg/L static (Oncorhynchus mykiss)		

Persistence and Degradability: No information available.
Bioaccumulation

Chemical Name	Log Pow
Asphalt	6..006

Other Adverse Effects: No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Disposal of material and container should be in accordance with local, regional, national, and international regulations.

Contaminated Packaging: Do not re-use empty containers.

14. TRANSPORTATION INFORMATION

DOT: Not regulated (If shipped in NON BULK packaging by ground transport)

TDG: Not regulated (If shipped in NON BULK packaging by ground transport)

IATA:
- **UN/ID number** UN1999
- **Proper shipping name** Tars, liquid
- **Hazard Class** 3
- **Packaging Group** III
- **ERG Code** 3L
- **Special Provisions** A3
- **Description** UN1999, Tars, liquid, 3, III

IMDG: Non-regulated per 2.3.2.5
- **UN/ID number** UN1999
- **Proper shipping name** Tars, liquid
- **Hazard Class** 3
- **Packaging Group** III
- **EmS Number** F-E, S-E
- **Special Provisions** 955
- **Description** UN1999, Tars, liquid, 3, III, (42°C c.c)

15. REGULATORY INFORMATION

International Inventories
TSCA – Complies
DSL/NDSL – Complies

Legend
TSCA – United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS Number	Weight %	SARA 313 – Threshold Values %
Asphalt	8052-42-4	20-40	0.1

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations
California Proposition 65: This product does not contain any Proposition 65 chemicals.

U.S. State Right-To-Know Regulations
"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Limestone	X	X	X
Asphalt	X	X	X
Mineral Spirits	X	X	X
Cellulose Fiber	X	X	X

U.S. EPA Label Information
EPA Pesticide Registration Number: Not applicable

16. OTHER INFORMATION

NFPA	**Health Hazard:** 2	**Flammability:** 2	**Instability:** 0	**Physical and Chemical Hazards-**
HMIS	**Health Hazard:** 2	**Flammability:** 2	**Physical Hazard:** 0	**Personal Protection: X**

Revision Date: 28-Aug-2019
Revision Note: Supersedes 2-Sept-2015

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.