



SAFETY DATA SHEET

Issuing Date 15-April-2015

Revision Date 2-Sept-15

Revision Number 1

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

GHS Product Identifier

Product Name: Fibered Emulsion Roof and Foundation Coating

Other Means of Identification

Product Code(s): 60711, 60715
Synonyms: None

Recommended Use of the Chemical and Restrictions on Use

Recommended Use: No information available.
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

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).

Acute Oral Toxicity	Category 4
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GHS Label Elements, Including Precautionary Statements

Emergency Overview

Signal Word • Harmful if swallowed	Warning	
		
Appearance: Black	Physical State: Liquid	Odor: Asphaltic

Precautionary Statements**Prevention**

- Wash face, hands, and any exposed skin thoroughly after handling.
- Do not eat, drink, or smoke when using this product.

General Advice**Ingestion**

- None
- If SWALLOWED; Call a POISON CENTER or doctor/physician if you feel unwell.
- Rinse mouth

Storage**Disposal**

- None
- Dispose of contents/container to an approved waste disposal plant.

Hazard Not Otherwise Classified (HNOC)

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %	Trade Secret
Asphalt	8052-42-4	20-80	*
Cellulose	9004-34-6	0-5	*
Polyethylene Fiber	9002-88-4	0-5	*
Ethylene Glycol	107-21-1	0-5	*

*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. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Most Important Symptoms/Effects, Acute and Delayed**Most Important Symptoms/Effects** No information available**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 (CO₂). Dry Chemical. Foam. Water Spray. Water Fog.**Unsuitable Extinguishing Media** None**Specific Hazards Arising from the Chemical**

No information available

Explosion Data**Sensitivity to Mechanical Impact**

None

Sensitivity to Static Discharge

None

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:**

Use personal protective equipment.

Environmental Precautions**Environmental Precautions:**

See Section 12 for additional Ecological Information. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

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.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, and clothing. Wear personal protective equipment. 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
Incompatible Products: Strong oxidizing agents. Strong Bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Asphalt 8052-42-4	TWA: 0.5 mg/m ³ benzene soluble aerosol fume, inhalable fraction	-	Ceiling: 5 mg/m ³ fume 15 min.
Ethylene Glycol 107-21-1	Ceiling: 100 mg/m ³ aerosol only	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m ³	-

Appropriate Engineering Controls

Engineering Measures: Showers
Eyewash Stations
Ventilation Systems

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: Impervious gloves.
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: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State: Liquid
Appearance: Black
Odor: Asphaltic
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	100° C	None known
Flash Point	No data available	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
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	1.02 @ 77 F	None known
Water Solubility	Easily dispersible	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Flammable Properties	Not Flammable	
Explosive Properties	No data available	
Oxidizing Properties	No data available	
Other Information		
VOC Content	No data available	

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: Incompatible products.
Incompatible Materials: Strong oxidizing agents. Strong bases.
Hazardous Decomposition Products: Carbon Monoxide (CO), Carbon Dioxide (CO²), and unburned hydrocarbons (smoke)

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: Harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LD50 Inhalation
Ethylene Glycol	4000 mg/kg (Rat)	9530 µL/kg (Rabbit)	-
Asphalt	5000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics

Symptoms: No information available.

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

Sensitization: No information available.
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.

Numerical Measures of Toxicity – Product

The following values are calculated based on Chapter 3.1 of the GHS document

LD50 Oral: 1066 mg/kg; Acute toxicity estimate

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)
Ethylene Glycol 107-21-1	EC50 96h: 6500-13000 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: 14-18 mL/L static (Oncorhynchus mykiss) LC50 96 h: 40000-60000 mg/L static (Pimephales promelas) LC50 96 h: = 16000 mg/L static (Poecilia reticulata) LC50 96 h: = 27540 mg/L static (Lepomis macrochirus) LC50 96 h: = 40761 mg/L static (Oncorhynchus mykiss) LC50 96 h: = 41000 mg/L static (Oncorhynchus mykiss)	EC50 = 10000 mg/L 16h EC50 = 620 mg/L 30 min. EC50 = 620.0 mg/L 30 min.	EC50 48h: = 46300 mg/L (Daphnia magna)

Persistence and Degradability: No information available.

Bioaccumulation

Chemical Name	Log Pow
Ethylene Glycol	-1.93
Asphalt	6..006

Other Adverse Effects: No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging: Do not re-use empty containers.

14. TRANSPORTATION INFORMATION

DOT: Not regulated

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 %
Ethylene Glycol	107-21-1	0-5	1.0
Asphalt	8052-42-4	20-40	0.1

SARA 311/312 Hazard Categories

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

Clean Water Act

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

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Ethylene Glycol	5000 lb.		RQ 5000 lb. final RQ RQ 2270 kg final RQ

U.S. State Regulations**California Proposition 65:**

None

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	Illinois	Rhode Island
Asphalt	X	X	X	X	X
Ethylene Glycol	X	X	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number: Not applicable

16. OTHER INFORMATION

NFPA	Health Hazard: 1	Flammability: 0	Instability: 0	Physical and Chemical Hazards- Personal Protection: X
HMIS	Health Hazard: 1	Flammability: 0	Physical Hazard: 0	

Revision Date: 2-Sept-15

Revision Note: Supersedes 15-April-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.