



SAFETY DATA SHEET

Issuing Date 15-April-2015

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Revision Number 2

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

GHS Product Identifier

Product Name: Non-Fibered Emulsion Roof and Foundation Coating

Other Means of Identification

Product Code(s): 60701, 60705
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 |
|---------------------|------------|

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 | * |
| 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
Odor: Asphaltic
Appearance: Black
Odor Threshold: No Information Available

| <u>Property</u> | <u>Values</u> | <u>Remarks/Method</u> |
|--|--------------------|-----------------------|
| 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 | 1.03 @ 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 | |
| <u>Other Information</u> | | |
| 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:

| Chemical Name | CAS Number | California Prop. 65 |
|-----------------|------------|---------------------|
| Ethylene Glycol | 107-21-1 | Developmental |

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 | |

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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.