

Safety Data Sheet

Bulldog Fibered Emulsion Roof Coating #401AF

SDS Revision Date: 05/05/2015



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identity
Alternate Names

Bulldog Fibered Emulsion Roof Coating #401AF
Bulldog Fibered Emulsion Roof Coating #401AF

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use
Application Method

See Technical Data Sheet
See Technical Data Sheet

1.3. Details of the supplier of the safety data sheet

Company Name

Palmer Asphalt Company
196 West 5th St., P.O. Box 58
Bayonne, NJ 07002

Emergency Telephone No.

(201) 339-0855

After Hours

8:00a.m. - 5:00p.m. EST

CHEMTREC:

(800) - 424-9300 (Domestic – No. America)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Carc. 1A H350

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)

:



Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: H350 - May cause cancer

Precautionary statements (GHS-US)

: P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P280 - Wear eye protection, protective gloves, protective clothing
P308+P313 - If exposed or concerned: Get medical advice/attention
P405 - Store locked up
P501 - Dispose of contents/container to in accordance with local, regional, and national regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

Safety Data Sheet

Bulldog Fibered Emulsion Roof Coating #401AF

SDS Revision Date: 05/05/2015



3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
asphaltic bitumen, not cut back	(CAS No) 8052-42-4	45.568	Carc. 2, H351
silica	(CAS No) 14808-60-7	0.03528 - 0.1764	Carc. 1A, H350 STOT RE 1, H372

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Water Based Product with no Flash Point. Material will not burn in liquid state. Cured product will burn.
- Reactivity : Product is stable.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

Safety Data Sheet

Bulldog Fibered Emulsion Roof Coating #401AF

SDS Revision Date: 05/05/2015



6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.
Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : DO NOT SUBJECT TO FREEZING TEMPERATURES. Freezing will destroy the product rendering not useable.
Storage conditions : Store in a dry place. Keep only in the original container in a cool, well ventilated place away from : Heat sources, Corrosion Sources. Keep container closed when not in use.
Incompatible materials : Avoid contact with strong oxidizers. Strong bases. Strong acids.

7.3. Specific end use(s)

No additional information available

Safety Data Sheet

Bulldog Fibered Emulsion Roof Coating #401AF

SDS Revision Date: 05/05/2015



SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Bulldog Fibered Emulsion Roof Coating #401AF	
ACGIH	Not applicable
OSHA	Not applicable

silica (14808-60-7)		
ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³
OSHA	Remark (OSHA)	(3) See Table Z-3.

asphaltic bitumen, not cut back (8052-42-4)	
ACGIH	Not applicable
OSHA	Not applicable

Safety Data Sheet

Bulldog Fibered Emulsion Roof Coating #401AF

SDS Revision Date: 05/05/2015



8.2. Exposure controls

Personal protective equipment : Gloves. Safety glasses. Protective clothing. Avoid all unnecessary exposure.



Hand protection : Wear protective gloves.
 Eye protection : Chemical goggles or safety glasses.
 Respiratory protection : Respiratory protection not required in normal conditions. Wear appropriate mask.
 Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Dark brown, thick consistency.
Color	brown
Odor	Very mild hydrocarbon odor.
Odor threshold	No data available
pH	6 - 8
Relative evaporation rate (butylacetate=1)	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	≈ 212 °F
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapor pressure	No data available
Relative vapor density at 20 °C	No data available
Relative density	No data available

Density	> 1 g/cm ³
Percent Solids	≈ 50 %
Solubility	Soluble in water. Water: Solubility in water of component(s) of the mixture : • bentonite, conc quartz (respirable dust) >=0,1%: insoluble • silica: insoluble • tridymite: insoluble • cristobalite, 1%=<conc respirable crystalline silica<10%: insoluble • potassium dichromate: 12 g/100ml • lithium hydroxide, monohydrate: 22.3 g/100ml • methyl benzimidazol-2-ylcarbamate: 0.0008 g/100ml • kaolin: < 0.1 g/100ml • 3-iodo-2-propynyl butylcarbamate: 0.02 g/100ml
Log Pow	No data available
Log Kow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Explosive limits	No data available

Safety Data Sheet

Bulldog Fibered Emulsion Roof Coating #401AF

SDS Revision Date: 05/05/2015



9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Product is stable.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Avoid contact with strong oxidizers.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

hydrogen sulfide, sulfides. Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	:	Not classified
Skin corrosion/irritation	:	Not classified pH: 6 - 8
Serious eye damage/irritation	:	Not classified pH: 6 - 8
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	May cause cancer.

silica (14808-60-7)

IARC group	1 - Carcinogenic to humans
------------	----------------------------

asphaltic bitumen, not cut back (8052-42-4)

IARC group	2A - Probably carcinogenic to humans, 2B - Possibly carcinogenic to humans
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity(repeated exposure)	Not classified
Aspiration hazard	Not classified
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.

Safety Data Sheet

Bulldog Fibered Emulsion Roof Coating #401AF

SDS Revision Date: 05/05/2015



SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : This product may cause adverse environmental effects if used improperly or release to the environment through a spill. Employ best management practices to prevent this material from entering storm sewer systems, waterways or otherwise impacting plant and animal species.

12.2. Persistence and degradability

Bulldog Fibered Emulsion Roof Coating #401AF

Persistence and degradability	Not established.
-------------------------------	------------------

12.3. Bioaccumulative potential

Bulldog Fibered Emulsion Roof Coating #401AF

Bioaccumulative potential	Not established.
---------------------------	------------------

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer :

Effect on the global warming : No known ecological damage caused by this product.

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with all local, state, and national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT : Not regulated for transport. Not classified as a hazardous material under HM-181.

Additional information

Other information : No supplementary information available.

ADR : No additional information available

Transport by sea : No additional information available

Air transport : No additional information available

Safety Data Sheet

Bulldog Fibered Emulsion Roof Coating #401AF

SDS Revision Date: 05/05/2015



SECTION 15: Regulatory information

15.1. US Federal regulations

Bulldog Fibered Emulsion Roof Coating #401AF

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

silica	CAS No 14808-60-7	C>=0.0353% ; C<=0.1764%
tridymite	CAS No 15468-32-3	C>=0.0035% ; C<=0.0353%
lithium hydroxide, monohydrate	CAS No 1310-66-3	0.0154%

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC

[DPD]

Not classified

Safety Data Sheet

Bulldog Fibered Emulsion Roof Coating #401AF

SDS Revision Date: 05/05/2015



15.2.2. National regulations

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

asphaltic bitumen, not cut back (8052-42-4)

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Other information : None.

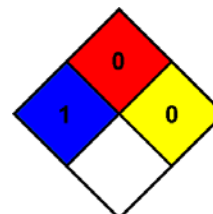
Full text of H-phrases:

Carc. 1A	Carcinogenicity, Category 1A
Carc. 2	Carcinogenicity, Category 2
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
H350	May cause cancer
H351	Suspected of causing cancer
H372	Causes damage to organs through prolonged or repeated exposure

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : C

TBC SDS US (GHS Hazcom 2012)

The information and recommendations contained herein are to the best of PALMER ASPHALT COMPANY'S knowledge and belief, accurate and reliable as of the date issued. PALMER ASPHALT COMPANY does not warrant or guarantee their accuracy or reliability, and PALMER ASPHALT COMPANY shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. It is also the user's responsibility to make certain that it is relying upon the most recent, updated, information and recommendations available from PALMER ASPHALT COMPANY.

The Environmental Information included, as well as the Hazardous Material Identification System (HMIS) and National Fire Protection Association (NFPA) ratings, have been included by PALMER ASPHALT COMPANY in order to provide additional health and hazard classification information. The ratings recommended are based upon the criteria supplied by the developers of these rating systems, together with PALMER ASPHALT COMPANY'S interpretation of the available data.