

Safety Data Sheet

Firestone Building Products Company

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • **SEBS Mopping Asphalt**

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

Relevant identified use(s) • Construction

1.3 Details of the supplier of the safety data sheet

Manufacturer • Firestone Building Products Company
200 4th Avenue S
Nashville, TN 37201-2208
United States

firestonemsds@bfdp.com

Telephone (General) • 800-428-4442

1.4 Emergency telephone number

Manufacturer • (800) 424-9300 - CHEMTREC

Manufacturer • (703) 527-3887 - CHEMTREC - International

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP • Skin Irritation 2 - H315

DSD/DPD • Irritant (Xi)
R38

2.2 Label Elements

CLP

WARNING

Hazard statements • H315 - Causes skin irritation

Precautionary statements

Prevention • P264 - Wash thoroughly after handling.
P280 - Wear protective gloves .

Response • P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P362 - Take off contaminated clothing and wash before reuse.
P321 - Specific treatment, see supplemental first aid information.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

DSD/DPD



Risk phrases • R38 - Irritating to skin.

Safety phrases • S53 - Avoid exposure - obtain special instructions before use.

2.3 Other Hazards

- CLP** • According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.
- DSD/DPD** • According to European Directive 1999/45/EC this material is considered dangerous.

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

- OSHA HCS 2012 • Skin Irritation 2

2.2 Label elements

OSHA HCS 2012

WARNING



Hazard statements • Causes skin irritation

Precautionary statements

- Prevention** • Wash thoroughly after handling.
Wear protective gloves .
- Response** • If on skin: Wash with plenty of water .
Take off contaminated clothing and wash before reuse.
Specific treatment, see supplemental first aid information.
If skin irritation occurs: Get medical advice/attention.

2.3 Other hazards

- OSHA HCS 2012 • Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to: WHMIS

2.1 Classification of the substance or mixture

- WHMIS • Other Toxic Effects - D2B

2.2 Label elements

WHMIS



- WHMIS • Other Toxic Effects - D2B

2.3 Other hazards

WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients**3.1 Substances**

- Material does not meet the criteria of a substance.

3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Asphalt	CAS:8052-42-4 EINECS:232-490-9	50% TO 100%	Ingestion/Oral-Rat LD50 • >5000 mg/kg Inhalation-Rat LC50 • >94.4 mg/m ³	EU DSD/DPD: Xi; R38; EU CLP: Skin Irrit. 2, H315; OSHA HCS 2012: Skin Irrit. 2;	NDA
Other components below reportable levels	NDA	0% TO 30%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	CAS:64742-52-5 EC Number:265-155-0 EU Index:649-465-00-7	0% TO 30%	Ingestion/Oral-Rat LD50 • >5000 mg/kg Skin-Rabbit LD50 • >2000 mg/kg	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Skin Irrit. 2	Substance contains <3% DMSO

See Section 16 for full text of H-statements and R-phrases.

Section 4 - First Aid Measures**4.1 Description of first aid measures****Inhalation**

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin

- Rinse skin immediately with plenty of water for 15-20 minutes. Take off contaminated clothing and wash before reuse. If irritation develops and persists, get medical attention.

Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion

- Rinse mouth. Do NOT induce vomiting. Do not use mouth-to-mouth method if victim ingested the substance. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed**Notes to Physician**

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media • Carbon dioxide, dry chemical, foam, or water fog.

Unsuitable Extinguishing Media • No data available

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • Water may cause frothing.
Fire may produce irritating, corrosive and/or toxic gases.

Hazardous Combustion Products • Development of hazardous combustion gases or vapours possible in the event of a fire.
The following may develop: Acrolein.

5.3 Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection. Fire fighters should wear complete protective clothing including self-contained breathing apparatus.
- Cool fire exposed containers with water.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions • Ventilate enclosed areas. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures • ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Stay upwind.

6.2 Environmental precautions

- Prevent entry into waterways and sewers.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures • Carefully shovel or sweep up spilled material and place in suitable container. Never return spills in original containers for re-use.
LARGE SPILLS: Following product recovery, flush area with water.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling • Use only with adequate ventilation. Keep away from heat, sparks, and flame. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing vapours. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage • Keep container tightly closed. Store in a cool, dry, well-ventilated place. Keep away from incompatible materials.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Belgium	Canada Alberta	Canada British Columbia	Canada Manitoba
Asphalt (8052-42-4)	TWAs	0.5 mg/m ³ TWA (fume, inhalable fraction, as benzene soluble aerosol)	5 mg/m ³ TWA (fume)	5 mg/m ³ TWA (Petroleum; Bitumen, fume)	0.5 mg/m ³ TWA (inhalable fume, as Benzene-soluble aerosol)	0.5 mg/m ³ TWA (fume, inhalable fraction, as Benzene soluble aerosol)
Exposure Limits/Guidelines (Con't.)						
	Result	Canada New Brunswick	Canada Northwest Territories	Canada Nova Scotia	Canada Nunavut	Canada Ontario
Asphalt (8052-42-4)	TWAs	5 mg/m ³ TWA (petroleum fumes)	5 mg/m ³ TWA (Petroleum fumes)	0.5 mg/m ³ TWA (fume, inhalable fraction, as Benzene soluble aerosol)	5 mg/m ³ TWA (Petroleum fumes)	0.5 mg/m ³ TWA (fume, inhalable, as Benzene-soluble aerosol)
	STELs	Not established	10 mg/m ³ STEL (Petroleum fumes)	Not established	10 mg/m ³ STEL (Petroleum fumes)	Not established
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Quebec	Canada Saskatchewan	Canada Yukon	Denmark	NIOSH
Asphalt (8052-42-4)	TWAs	5 mg/m ³ TWAEV (fume)	0.5 mg/m ³ TWA (fume and inhalable fraction, as Benzene soluble aerosol)	5 mg/m ³ TWA (fume)	1 mg/m ³ TWA (Cyclohexane fraction of total dust, fume)	Not established
	STELs	Not established	Not established	10 mg/m ³ STEL (fume)	Not established	Not established
	Ceilings	Not established	Not established	Not established	Not established	5 mg/m ³ Ceiling (fume, 15 min)

Exposure Control Notations

ACGIH

•Asphalt (8052-42-4): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen (fume, coal tar-free))

Germany DFG

•Asphalt (8052-42-4): **Carcinogens:** (Category 2 (considered to be carcinogenic for man, aerosol and vapour)) | **Skin:** (skin notation (aerosol and vapour))

Exposure Limits Supplemental

ACGIH

•Asphalt (8052-42-4): **BEIs:** (Medium: urine Time: end of shift at end of workweek Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative)) |

TLV Basis - Critical Effects: (eye and upper respiratory tract irritation (fume))

8.2 Exposure controls

Engineering Measures/Controls

- This material is designed to be used outdoors, in roofing applications. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Respiratory

- Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear protective eyewear (goggles, face shield, or safety glasses).

Skin/Body

- Wear appropriate gloves.

Environmental Exposure Controls

- Dispose of waste product in accordance with national and local laws and regulations.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

BEI = Biological Exposure Indices

NIOSH = National Institute of Occupational Safety and Health

STEL = Short Term Exposure Limits are based on 15-minute exposures

TLV = Threshold Limit Value determined by the American Conference of Governmental Industrial Hygienists (ACGIH)

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

TWAEV = Time-Weighted Average Exposure Value

Section 9 - Physical and Chemical Properties**9.1 Information on Basic Physical and Chemical Properties**

Material Description			
Physical Form	Solid	Appearance/Description	Black or dark brown semi-solid with a burnt tar odor.
Color	Black or dark brown.	Odor	Burnt tar.
Odor Threshold	Data lacking		
General Properties			
Boiling Point	> 800 °F(> 426.6667 °C)	Melting Point/Freezing Point	150 to 250 °F(65.5556 to 121.1111 °C)
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	1 to 1.9 Water=1	Water Solubility	Data lacking
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking	Volatiles (Wt.)	0 %
Volatiles (Vol.)	0 %		
Flammability			
Flash Point	> 400 °F(> 204.4444 °C)	UEL	Data lacking
LEL	Data lacking	Autoignition	> 700 °F(> 371.1111 °C)
Flammability (solid, gas)	Data lacking		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity**10.1 Reactivity**

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Excess heat.

10.5 Incompatible materials

- Strong oxidizing agents.

10.6 Hazardous decomposition products

- Upon decomposition, product emits acrid dense smoke with carbon dioxide, carbon monoxide, traceoxides of nitrogen and sulfur, and water.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Asphalt (50% TO 100%)	8052-42-4	Acute Toxicity: Ingestion/Oral-Rat LD50 • >5000 mg/kg; Gastrointestinal:Hypermotility, diarrhea; Inhalation-Rat LC50 • >94.4 mg/m ³ ; Mutagen: Micronucleus test • Unreported Route-Rat • Other Cell Type • 57.8 µg/L; Tumorigen / Carcinogen: Skin-Mouse TDLo • 905 g/kg 2 Year(s)-Intermittent; Tumorigenic:Neoplastic by RTECS criteria; Lungs, Thorax, or Respiration:Tumors; Skin and Appendages:Other:Tumors
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) (0% TO 30%)	64742-52-5	Irritation: Skin-Rabbit • 500 mg • Severe irritation

GHS Properties	Classification
Acute toxicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin corrosion/Irritation	EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
Serious eye damage/Irritation	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Respiratory sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Aspiration Hazard	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Carcinogenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Toxicity for Reproduction	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-SE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking

STOT-RE

EU/CLP • Data lacking

OSHA HCS 2012 • Data lacking

Potential Health Effects**Inhalation**

- Acute (Immediate)** • Molten material will produce thermal burns.
- Chronic (Delayed)** • No data available

Skin

- Acute (Immediate)** • Causes skin irritation. Molten material will produce thermal burns.
- Chronic (Delayed)** • No data available.

Eye

- Acute (Immediate)** • Molten material will produce thermal burns.
- Chronic (Delayed)** • No data available.

Ingestion

- Acute (Immediate)** • May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.
- Chronic (Delayed)** • No data available

Carcinogenic Effects

- Based upon the newly published IARC classifications for bitumen/asphalt fumes, it has been determined that the IARC carcinogen designation does not apply to this material as it does not contain material identified by IARC.

Key to abbreviations

LC = Lethal Concentration

LD = Lethal Dose

TD = Toxic Dose

Section 12 - Ecological Information**12.1 Toxicity**

- This product has no known eco-toxicological effects. Not expected to be harmful to aquatic organisms.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- PBT and vPvB assessment has not been carried out.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations**13.1 Waste treatment methods**

- Product waste** • Dispose of content and/or container in accordance with local, regional, national, and/or

international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
ADN	NDA	Not Regulated	NDA	NDA	NDA
ADR/RID	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special precautions for user • None specified.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code • Data lacking.

Section 15 - Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

SARA Hazard Classifications • Acute

State Right To Know				
Component	CAS	MA	NJ	PA
Asphalt	8052-42-4	Yes	Yes	Yes
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	No	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
Asphalt	8052-42-4	Yes	No	Yes	No	Yes
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Yes	No	Yes	No	Yes

Belgium**Labor****Belgium - Substances and Preparations - Carcinogens and Mutagens**

- | | | |
|--|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Asphalt | 8052-42-4 | Not Listed |

Bulgaria

Environment

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 24 Hour

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 30 Minute

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - Annual

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Canada - WHMIS - Ingredient Disclosure List

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Environment

Canada - CEPA - Priority Substances List

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Denmark

Environment

Denmark - List of Undesirable Substances - Product Groups/Function

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Carc.Cat.2; R45
• Asphalt	8052-42-4	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	T R:45 S:53-45
• Asphalt	8052-42-4	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	L
• Asphalt	8052-42-4	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	S:53-45
• Asphalt	8052-42-4	Not Listed

Germany**Labor****Germany - Immission Control - Qualifying Quantities for Major Accident Prevention**

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Germany - Immission Control - Qualifying Quantities for Safety Reporting

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Germany - TRGS 505 - Specific Lead Regulations

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Germany - TRGS 511 - Specific Ammonium Nitrate Regulations

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Environment**Germany - TA Luft - Types and Classes**

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Germany - TA Luft - Emission Limits for Carcinogenic Substances

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Germany - TA Luft - Emission Limits for Fibers

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Germany - TA Luft - Emission Limits for Inorganic Dusts

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Germany - TA Luft - Emission Limits for Inorganic Gases

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Germany - TA Luft - Emission Limits for Organic Substances

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Germany - Water Classification (VwVwS) - Annex 1

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	ID Number 326, not considered hazardous to water

Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Germany - Water Classification (VwVwS) - Annex 3

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
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• Asphalt	8052-42-4	Not Listed
U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)		
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Female		
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Male		
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

United States - Pennsylvania

Labor		
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List		
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances		
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Asphalt	8052-42-4	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Revision Date	• 26/January/2018
Preparation Date	• 04/January/2012
Other Information	• Changes to this revision: Updated mailing address.
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Key to abbreviations

NDA = No Data Available