



## Safety Data Sheet

**Material Name:** Asphalt Cutback

### Section 1 – Product and Company Identification

#### Manufacturer Information

Peckham Industries Inc.  
172 Prospect Hill Rd,  
Brewster, NY 10509  
Phone: 914-949-2000  
peckham.com

### Section 2 – Hazards Identification

#### GHS Classification:

Flammable liquids – Category 3  
Acute toxicity, inhalation – Category 4  
Skin corrosion/irritation – Category 2  
Germ cell mutagenicity – Category 1B  
Carcinogenicity – Category 1B  
Specific target organ toxicity, repeated exposure – Category 1  
Aspiration hazard – Category 1  
Hazardous to the aquatic environment, long-term hazard – Category 2

#### OSHA defined hazards

Not classified.

#### GHS LABEL ELEMENTS

##### Symbol(s)



#### Signal Word

Danger

#### Hazard Statements

Flammable liquid and vapor. Harmful if inhaled. Causes skin irritation. May cause genetic defects.  
May cause cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs (lungs) through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

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## Precautionary Statements

### Prevention

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breath dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area.

### Response

If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center/doctor.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.

### Storage

Store in an appropriate container or containment structure.

### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

## Section 3 – Composition/ Information on Ingredients

Chemical Name	CAS Number	Percent
Asphalt	8052-42-4	50-85
Distillates (petroleum), light hydrocracked	64741-77-1	0-50
Distillates (petroleum), petroleum residues vacuum	68955-27-1	0-45
Distillates (petroleum), heavy naphthenic	64741-53-3	0-15
Light Cycle Oil	64741-59-9	0-15
Light naphthenic distillate (petroleum)	64741-52-2	0-15
Toluene	108-88-3	<1
Xylene	1330-20-7	<1
Ethylbenzene	100-41-4	<0.5
Hydrogen sulfide	7783-06-4	<0.3
Benzene	71-43-2	<0.2
Naphthalene	91-20-3	<0.2
Polycyclic Aromatic Hydrocarbons	130498-29-2	<0.1

## Section 4 – First Aid Measures

### First Aid: Eyes

Flush eye(s) with plenty of water for 15 minutes, while holding eyelids open. Beyond flushing, do not attempt to remove material from eyes except under medical supervision. Contact physician.

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**First Aid: Skin**

Remove contaminated clothing and immediately flush in cool water for at least 15 minutes. Get medical attention if irritation develops or persists.

**First Aid: Ingestion**

Do not induce vomiting. If conscious, give large amounts of water. Contact a physician immediately.

**First Aid: Inhalation**

Remove to fresh air if breathing is difficult. Get prompt medical attention if breathing remains difficult or if irritation persists.

## Section 5 – Fire Fighting Measures

**Suitable extinguishing media**

Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**

Vapor may cause flash fire. Vapors can flow along surfaces to distant ignition source and flash back. Sensitive to static discharge.

**Special protective equipment**

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

**Fire-fighting**

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Move containers from fire area if you can do it without risk. In the event of fire, cool tanks with water spray. Cool containers exposed to flames with water until well after the fire is out. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Vapors may form explosive air mixtures even at room temperature. Prevent buildup of vapors or gases to explosive concentrations. Some of these materials, if spilled, may evaporate leaving a flammable residue. Water runoff can cause environmental damage. Use compatible foam to minimize vapor generation as needed.

**Specific methods**

Use water spray to cool unopened containers.

## Section 6 – Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Local authorities should be advised if significant spills cannot be contained. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 of the SDS for Personal Protective Equipment.

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## Methods and materials for containment and cleaning up

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Extinguish all flames in the vicinity. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Cover with plastic sheet to prevent spreading. Collect spillage. Following product recovery, flush area with water. Prevent product from entering drains. Do not allow material to contaminate ground water system.

Clean surface thoroughly to remove residual contamination. Wipe up with absorbent material (e.g. cloth, fleece).

Large Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. This material and its container must be disposed of as hazardous waste.

## Environmental precautions

If facility or operation has an "oil or hazardous substance contingency plan", activate its procedures. Stay upwind and away from spill. Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not enter or stay in area unless monitoring indicates that it is safe to do so. Isolate hazard area and restrict entry to emergency crew.

Flammable. Review Firefighting Measures, Section 5, before proceeding with clean up. Keep all sources of ignition (flames, smoking, flares, etc.) and hot surfaces away from release. Contain spill in smallest possible area. Recover as much product as possible (e.g. by vacuuming). Stop leak if it can be done without risk. Use water spray to disperse vapors. Use compatible foam to minimize vapor generation as needed. Spilled material may be absorbed by an appropriate absorbent, and then handled in accordance with environmental regulations. Prevent spilled material from entering sewers, storm drains, other unauthorized treatment or drainage systems and natural waterways.

Contact fire authorities and appropriate federal, state and local agencies. If spill of any amount is made into or upon navigable waters, the contiguous zone, or adjoining shorelines, contact the National Response Center at 1-800-424-8802.

For highway or railways spills, contact Chemtrec at 1-800-424-9300.

## Section 7 – Handling and Storage

### Precautions for safe handling

Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Wear personal protective equipment. Do not breathe gas/fumes/vapor/spray. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Avoid prolonged exposure. Use only with adequate ventilation. Wash thoroughly after handling. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. When using, do not eat, drink or smoke.

### Conditions for safe storage, including any incompatibilities

Flammable liquid storage. Do not handle or store near an open flame or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. The pressure in sealed containers can increase under the influence of heat. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

## Section 8 – Exposure Controls/ Personal Protection

### Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

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<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
Distillates (petroleum), heavy naphthenic (CAS 64741-53-3)	PEL	5 mg/m3	Mist.
Distillates (petroleum), light hydrocracked (CAS 64741-77-1)	PEL	5 mg/m3	Mist.
Ethylbenzene (CAS 100-41-4)	PEL	435 mg/m3	
Light naphthenic distillate (petroleum) (CAS 64741-52-2)		100 ppm	
	PEL	5 mg/m3	Mist.
Naphthalene (CAS 91-20-3)	PEL	50 mg/m3	

### US. OSHA Table Z-2 (29 CFR 1910.1000)

<b>Components</b>	<b>Type</b>	<b>Value</b>
Hydrogen sulfide (CAS 7783-06-4)	Ceiling	20 ppm
Toluene (CAS 108-88-3)	Ceiling	300 ppm
	TWA	200 ppm

### US. ACGIH Threshold Limit Values

<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
Asphalt (CAS 8052-42-4)	TWA	0.5 mg/m3	Inhalable fraction.
Distillates (petroleum), heavy naphthenic (CAS 64741-53-3)	TWA	5 mg/m3	Inhalable fraction.
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm	
Hydrogen sulfide (CAS 7783-06-4)	STEL	5 ppm	
	TWA	1 ppm	
Light naphthenic distillate (petroleum) (CAS 64741-52-2)	TWA	5 mg/m3	Inhalable fraction.
Naphthalene (CAS 91-20-3)	STEL	15 ppm	
	TWA	10 ppm	
Toluene (CAS 108-88-3)	TWA	20 ppm	

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**US. NIOSH: Pocket Guide to Chemical Hazards**

<u>Components</u>	<u>Type</u>	<u>Value</u>	<u>Form</u>
Asphalt (CAS 8052-42-4)	Ceiling	5 mg/m3	Fume.
Distillates (petroleum), heavy naphthenic (CAS 64741-53-3)	STEL	10 mg/m3	Mist.
Distillates (petroleum), light hydrocracked (CAS 64741-77-1)	TWA	5 mg/m3	Mist.
	STEL	10 mg/m3	Mist.
Ethylbenzene (CAS 100-41-4)	TWA	5 mg/m3	Mist.
	STEL	545 mg/m3	
Hydrogen sulfide (CAS 7783-06-4)	Ceiling	125 ppm	
		435 mg/m3	
		100 ppm	
Light naphthenic distillate (petroleum) (CAS 64741-52-2)	STEL	15 mg/m3	
		10 ppm	Mist.
Naphthalene (CAS 91-20-3)	TWA	5 mg/m3	Mist.
	STEL	75 mg/m3	
Toluene (CAS 108-88-3)	STEL	15 ppm	
		50 mg/m3	
		10 ppm	
	TWA	560 mg/m3	
		150 ppm	
		375 mg/m3	
		100 ppm	

**Biological limit values**

**ACGIH Biological Exposure Indices**

<u>Components</u>	<u>Value</u>	<u>Determinant</u>	<u>Specimen</u>	<u>Sampling Time</u>
Ethylbenzene (CAS 100-41-4)	0.7 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*

\* - For sampling details, please see the source document.

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## Exposure guidelines

US - California OELs: Skin designation  
Toluene (CAS 108-88-3) Can be absorbed through the skin.  
US - Minnesota Haz Subs: Skin designation applies  
Toluene (CAS 108-88-3) Skin designation applies.  
US ACGIH Threshold Limit Values: Skin designation  
Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

## Appropriate engineering

Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

## Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses. If splash potential exists, wear full face shield or chemical goggles.

### Skin protection

**Hand protection** Avoid exposure - obtain special instructions before use. Wear protective gloves.

**Other** Wear chemical-resistant, impervious gloves. Flame retardant protective clothing is recommended.

**Respiratory protection** Wear a NIOSH-approved (or equivalent) respirator as needed.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

## General hygiene considerations

Consult supervisor for special handling instructions. Avoid contact with eyes. Avoid contact with skin. Keep away from food and drink. Wash hands before breaks and immediately after handling the product. Provide eyewash station and safety shower. Handle in accordance with good industrial hygiene and safety practice.

## Section 9 – Physical & Chemical Properties

<b>Appearance:</b>	dark brown to black liquid	<b>Odor:</b>	Strong petroleum
<b>Physical State:</b>	liquid	<b>pH:</b>	Not Established
<b>Form:</b>	viscous liquid at ambient temperatures		
<b>Color:</b>	brown/black		
<b>Vapor Pressure:</b>	Not Applicable	<b>Vapor Density:</b>	>1.6 (Air = 1)
<b>Boiling Point:</b>	Not Available	<b>Melting Point:</b>	Not Established
<b>Solubility (H<sub>2</sub>O):</b>	Not Established	<b>Relative Density:</b>	0.96 – 1.01 (Water = 1)
<b>Evaporation Rate:</b>	Not Determined	<b>Solubility:</b>	Not Available
<b>Octanol/H<sub>2</sub>O Coeff:</b>	Not Determined	<b>Flash Point:</b>	79.9 – 150°F (26.6 – 65.5°C) Closed cup
<b>Flash Point Method:</b>	Calculated	<b>Upper Flammability Limit:</b>	< 7 (UFL):
<b>Lower Flammability Limit:</b>	> 1	<b>Burning Rate:</b>	Not Established
<b>(LFL):</b>			
<b>Auto Ignition:</b>	299.84 – 5642.8°F (148.8 – 31505°C)		

## Section 10 – Chemical Stability & Reactivity Information

### Reactivity

Not available.

### Chemical stability

Stable under normal temperature conditions and recommended use.

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**Possibility of hazardous reactions**

Hazardous polymerization does not occur.

**Conditions to avoid**

Flames and sparks. Ignition sources. Contact with incompatible materials. Do not pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.

**Incompatible materials**

Strong oxidizing agents.

**Hazardous decomposition products**

No hazardous decomposition products are known.

## Section 11 – Toxicological Information

**Information on likely routes of exposure**

**Ingestion**

May be fatal if swallowed and enters airways.

**Inhalation**

Harmful if inhaled. In high concentrations, vapors and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea.

**Skin contact**

Causes skin irritation. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

**Eye contact**

May cause eye irritation.

**Symptoms related to the physical, chemical and toxicological characteristics**

Irritation of nose and throat. Irritation of eyes and mucous membranes. Skin irritation. Unconsciousness. Corneal damage. Narcosis. Cyanosis (blue tissue condition, nails, lips, and/or skin). Decrease in motor functions. Behavioral changes. Edema. Liver enlargement. Jaundice. Conjunctivitis. Proteinuria. Defatting of the skin. Rash.

**Acute toxicity**

Harmful is inhaled.

<u>Components</u>	<u>Species</u>	<u>Test Results</u>
Ethylbenzene (CAS 100-41-4)		
Acute Dermal LD50	Rabbit	> 5000 mg/kg
Oral LD50	Rat	5.46 g/kg
Hydrogen sulfide (CAS 7783-06-4)		
Acute Inhalation LC50	Rat	> 0.38 mg/l, 960 Minutes



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### Light Cycle Oil (CAS 64741-59-9)

Acute

Dermal

LD50

Rabbit

> 2000 mg/kg

Inhalation

LC50

Rat

> 4.65 mg/l

Oral

LD50

Rat

> 3200 mg/kg

### Naphthalene (CAS 91-20-3)

Acute

Dermal

LD50

Rabbit

> 2 g/kg

Oral

LD50

Rat

490 mg/kg

### Toluene (CAS 108-88-3)

Acute

Inhalation

LC50

Rat

8000 mg/l, 4 Hours

Oral

LD50

Rat

2.6 g/kg

### Skin corrosion/irritation

Causes skin irritation.

### Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

### Respiratory or skin sensitization

#### Respiratory sensitization

Based on available data, the classification criteria are not met.

#### Skin sensitization

Based on available data, the classification criteria are not met.

### Germ cell mutagenicity

May cause genetic defects. In in-vitro experiments benzene did not change the number of sister-chromatid exchanges (SCEs) or the number of chromosomal aberrations in human lymphocytes.

### Carcinogenicity

May cause cancer. Occupational exposure to straight-run asphalts and their emissions during road paving: 2B  
Possibly carcinogenic to humans.

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## **IARC Monographs. Overall Evaluation of Carcinogenicity**

Asphalt (CAS 8052-42-4)	2B Possibly carcinogenic to humans.
Distillates (petroleum), light hydrocracked (CAS 64741-77-1)	3 Not classifiable as to carcinogenicity to humans.
Ethylbenzene (CAS 100-41-4)	2B Possibly carcinogenic to humans.
Light Cycle Oil (CAS 64741-59-9)	3 Not classifiable as to carcinogenicity to humans.
Naphthalene (CAS 91-20-3)	2B Possibly carcinogenic to humans.
Toluene (CAS 108-88-3)	3 Not classifiable as to carcinogenicity to humans.

## **NTP Report on Carcinogens**

Distillates (petroleum), heavy naphthenic (CAS 64741-53-3)	Known To Be Human Carcinogen.
Light naphthenic distillate (petroleum) (CAS 64741-52-2)	Known To Be Human Carcinogen.
Naphthalene (CAS 91-20-3)	Reasonably Anticipated to be a Human Carcinogen.

## **Reproductive toxicity**

Suspected of damaging fertility or the unborn child. Animal studies of benzene have shown testicular effects, alterations in reproductive cycles, chromosomal aberrations and embryo/fetotoxicity. May damage fertility or the unborn child. Can cause adverse reproductive effects - such as birth defects, miscarriages, or infertility. Avoid exposure to women during early pregnancy. Avoid contact during pregnancy/while nursing.

## **Specific target organ toxicity single exposure**

Based on available data, the classification criteria are not met.

## **Specific target organ toxicity repeated exposure**

May cause damage to the following organs through prolonged or repeated exposure: Lungs.

## **Aspiration hazard**

May be fatal if swallowed and enters airways.

## **Chronic effects**

Prolonged and repeated exposure to benzene may cause serious injury to blood forming organs and is associated with anemia and to the later development of acute myelogenous leukemia (AML). Danger of serious damage to health by prolonged exposure. Prolonged or repeated overexposure may cause central nervous system, kidney, liver, and lung damage.

## **Further information**

Symptoms may be delayed.

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## Section 12 – Ecological Information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

Components		Species	Test Results
Ethylbenzene (CAS 100-41-4)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1 - 4 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4 mg/l, 96 hours
Hydrogen sulfide (CAS 7783-06-4)			
Aquatic			
Fish	LC50	Lake whitefish (Coregonus clupeaformis)	0.002 mg/l, 96 hours
Light Cycle Oil (CAS 64741-59-9)			
Aquatic			
Algae	IC50	Algae	0.51 mg/l
Crustacea	EL50	Invertebrates (Invertebrates)	0.32 mg/l
Fish	LL50	Fish	> 0.3 mg/l
Naphthalene (CAS 91-20-3)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1.09 - 3.4 mg/l, 48 hours
Fish	LC50	Pink salmon (Oncorhynchus gorbuscha)	0.95 - 1.62 mg/l, 96 hours
Toluene (CAS 108-88-3)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	5.46 - 9.83 mg/l, 48 hours
Fish	LC50	Pink salmon (Oncorhynchus gorbuscha)	7.45 - 8.78 mg/l, 96 hours

### Persistence and degradability

None known.

### Bioaccumulative potential

Not available.

### Partition coefficient n-octanol / water (log Kow)

Ethylbenzene (CAS 100-41-4) 3.15

Toluene (CAS 108-88-3) 2.73

### Mobility in soil

Not available.

### Other adverse effects

Not available.

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## Section 13 – Disposal Considerations

### Disposal instructions

Dispose in accordance with all applicable regulations. This material and its container must be disposed of as hazardous waste. Dispose of this material and its container to hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container.

### Hazardous waste code

D001: Waste Flammable material with a flash point <140 °F  
D018: Waste Benzene

### US RCRA Hazardous Waste U List: Reference

Hydrogen sulfide (CAS 7783-06-4)	U135
Naphthalene (CAS 91-20-3)	U165
Toluene (CAS 108-88-3)	U220

### Waste from residues / unused products

Dispose of in accordance with local regulations.

### Contaminated packaging

Offer rinsed packaging material to local recycling facilities.

## Section 14 – Transportation Information

### DOT Information

UN number	UN1999
UN proper shipping name	Asphalt, cutback
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	III
Environmental hazards	
Marine pollutant	Yes
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	149, B13, IB2, T3, TP3, TP29
Packaging exceptions	173, 150
Packaging non bulk	173, 202
Packaging bulk	176, 242

### IATA

UN number	UN1999
UN proper shipping name	Asphalt, cutback
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	III
Environmental hazards	Yes
ERG Code	3L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

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## IMDG

UN number	UN1999
UN proper shipping name	ASPHALT, CUTBACK
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	III
Environmental hazards	
Marine pollutant	Yes
EmS	F-E, S-E
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## Section 15 – Regulatory Information

### Regulatory Information

#### US Federal Regulations

This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. All components are on the U.S EPA TSCA Inventory List.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Asphalt (CAS 8052-42-4)	LISTED
Ethylbenzene (CAS 100-41-4)	LISTED
Hydrogen sulfide (CAS 7783-06-4)	LISTED
Naphthalene (CAS 91-20-3)	LISTED
Toluene (CAS 108-88-3)	LISTED

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes
	Delayed Hazard - Yes
	Fire Hazard - Yes
	Pressure Hazard - No
	Reactivity Hazard - No

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## SARA 302 Extremely hazardous substance

Chemical name	CAS number	Reportable quantity	Threshold planning quantity	Threshold planning quantity, lower value	Threshold planning quantity, upper value
Hydrogen sulfide	7783-06-4	100	500 lbs		

**SARA 311/312 Hazardous chemical** Yes

## SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Ethylbenzene	100-41-4	<0.5
Naphthalene	91-20-3	<0.2

## Other federal regulations

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

- Ethylbenzene (CAS 100-41-4)
- Naphthalene (CAS 91-20-3)
- Polycyclic Aromatic Hydrocarbons (CAS 130498-29-2)
- Toluene (CAS 108-88-3)

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

- Hydrogen sulfide (CAS 7783-06-4)

**Safe Drinking Water Act (SDWA)** Not regulated.

## Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

- Toluene (CAS 108-88-3) 6594

## Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

- Toluene (CAS 108-88-3) 35 % weight/volume

## DEA Exempt Chemical Mixtures Code Number

- Toluene (CAS 108-88-3) 594

## US state regulations

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## US. Massachusetts RTK - Substance List

- Asphalt (CAS 8052-42-4)
- Distillates (petroleum), heavy naphthenic (CAS 64741-53-3)
- Distillates (petroleum), light hydrocracked (CAS 64741-77-1)
- Ethylbenzene (CAS 100-41-4)
- Hydrogen sulfide (CAS 7783-06-4)
- Light naphthenic distillate (petroleum) (CAS 64741-52-2)
- Naphthalene (CAS 91-20-3)
- Toluene (CAS 108-88-3)

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**US. New Jersey Worker and Community Right-to-Know Act**

- Asphalt (CAS 8052-42-4)
- Ethylbenzene (CAS 100-41-4)
- Hydrogen sulfide (CAS 7783-06-4)
- Naphthalene (CAS 91-20-3)
- Polycyclic Aromatic Hydrocarbons (CAS 130498-29-2)
- Toluene (CAS 108-88-3)

**US. Pennsylvania Worker and Community Right-to-Know Law**

- Asphalt (CAS 8052-42-4)
- Distillates (petroleum), heavy naphthenic (CAS 64741-53-3)
- Distillates (petroleum), light hydrocracked (CAS 64741-77-1)
- Ethylbenzene (CAS 100-41-4)
- Hydrogen sulfide (CAS 7783-06-4)
- Light naphthenic distillate (petroleum) (CAS 64741-52-2)
- Naphthalene (CAS 91-20-3)
- Polycyclic Aromatic Hydrocarbons (CAS 130498-29-2)
- Toluene (CAS 108-88-3)

**US. Rhode Island RTK**

- Ethylbenzene (CAS 100-41-4)
- Hydrogen sulfide (CAS 7783-06-4)
- Naphthalene (CAS 91-20-3)
- Toluene (CAS 108-88-3)

**US. California Proposition 65**

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

- Asphalt (CAS 8052-42-4)
- Benzene (CAS 71-43-2)
- Ethylbenzene (CAS 100-41-4)
- Naphthalene (CAS 91-20-3)
- Toluene (CAS 108-88-3)

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

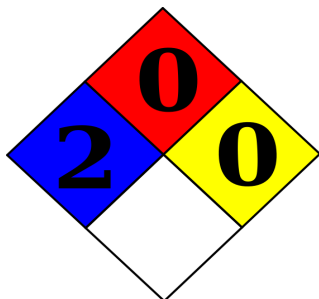
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

# Safety Data Sheet

Material Name: Asphalt Cutback

## Section 16 – Other Information

NFPA Ratings



### Literature References

ACGIH  
EPA: AQUIRE database  
NLM: Hazardous Substances Data Base  
US. IARC Monographs on Occupational Exposures to Chemical Agents  
HSDB® - Hazardous Substances Data Bank  
IARC Monographs. Overall Evaluation of Carcinogenicity  
National Toxicology Program (NTP) Report on Carcinogens  
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

### Other Information

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End of Sheet