

## Safety Data Sheet

Material Name: Coal Tar Pitch

SDS ID: STE-009

### \*\*\*Section 1 - IDENTIFICATION\*\*\*

**Material Name:** Coal Tar Pitch

**Trade Names/Synonyms**

Roofing Pitch

**Chemical Family**

Aromatic hydrocarbons

**Recommended Use**

Built-up roofing systems.

**Restrictions on Use**

None known.

**Manufacturer Information**

Stella-Jones Corporation  
Park West One, Suite 500  
1000 Cliff Mine Road  
Pittsburgh, PA 15275  
Phone: 412-325-0202

CHEMTREC®: 800-424-9300 (Intl. 703-527-3887)

### \*\*\*Section 2 - HAZARDS IDENTIFICATION\*\*\*

**Classification in accordance with 29 CFR 1910.1200**

Skin Corrosion / Irritation, Category 2  
Eye Damage / Irritation, Category 2A  
Sensitization - Respiratory, Category 1  
Sensitization - Skin, Category 1  
Germ Cell Mutagenicity, Category 1B  
Carcinogenicity, Category 1A  
Toxic to Reproduction, Category 1B  
Hazardous to the Aquatic Environment - Chronic Hazard, Category 4

**GHS LABEL ELEMENTS**

**Symbol(s)**



**Signal Word**

DANGER

**Hazard Statement(s)**

Causes skin irritation  
Causes serious eye irritation  
May cause allergy or asthma symptoms or breathing difficulties if inhaled  
May cause an allergic skin reaction  
May cause genetic defects  
May cause cancer

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May damage fertility or the unborn child  
May cause long lasting harmful effects to aquatic life

## Precautionary Statement(s)

### Prevention

Avoid breathing dust/fumes. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/clothing and eye/face protection. In case of inadequate ventilation wear respiratory protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment. Wash thoroughly after handling.

### Response

IF EXPOSED OR CONCERNED: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs, seek medical advice/attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.

### Storage

Store locked up.

### Disposal

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

### Hazard(s) Not Otherwise Classified

No additional information is available.

## \* \* \*Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS\* \* \*

CAS	Component	Percent
65996-93-2	Coal tar pitches	100
191-24-2	Benzo(ghi)perylene	1.1
193-39-5	Indeno(1,2,3-cd)pyrene	1.1
218-01-9	Chrysene	1.02
205-99-2	Benzo(b)fluoranthene	0.84
206-44-0	Fluoranthene	0.82
56-55-3	Benz[a]anthracene	0.79
129-00-0	Pyrene	0.75
192-97-2	Benzo(e)pyrene	0.69
50-32-8	Benzo[a]pyrene	0.65
205-82-3	Benzo(j)fluoranthene	0.6
207-08-9	Benzo(k)fluoranthene	0.57
189-64-0	Dibenzo(a,h)pyrene	0.5
85-01-8	Phenanthrene	0.4
192-65-4	Dibenzo(a,e)pyrene	0.36
53-70-3	Dibenzo(a,h)anthracene	0.26
189-55-9	Dibenzo(a,i)pyrene	0.25
30777-18-5	Benzo[a]fluorene	0.17
243-17-4	Benzo[b]fluorene	0.16
120-12-7	Anthracene	0.13
83-32-9	Acenaphthene	0.12
86-73-7	Fluorene	0.08
86-74-8	9H-Carbazole	0.07

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## Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Aromatic hydrocarbons, polycyclic (130498-29-2).

## \* \* \*Section 4 - FIRST AID MEASURES\* \* \*

### Description of Necessary Measures

#### Inhalation

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

#### Skin

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. For thermal burns, cool affected areas as quickly as possible by drenching or immersing in water. Call a poison control center or doctor for further treatment advice.

#### Eyes

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

#### Ingestion

Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

### Most Important Symptoms/Effects

#### Acute

Thermal burns from heated material, skin irritation, eye irritation, respiratory tract and skin sensitization

#### Delayed

Respiratory tract and skin sensitization, heritable genetic damage, cancer, reproductive effects

### Indication of Immediate Medical Attention and Special Treatment

Probable mucosal damage may contraindicate the use of gastric lavage.

## \* \* \*Section 5 - FIRE FIGHTING MEASURES\* \* \*

### Suitable Extinguishing Media

Use carbon dioxide, regular dry chemical, regular foam or water.

### Unsuitable Extinguishing Media

Do not use high-pressure water streams.

### Specific Hazards Arising from the Chemical

Closed containers may rupture violently when heated. Contact with heat may generate toxic and/or flammable gases. Dust/air mixtures may ignite or explode. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

### Hazardous Combustion Products

**Combustion:** oxides of carbon, oxides of nitrogen, polycyclic aromatic hydrocarbons (PAHs)

### Fire Fighting Measures

Stop leak if possible without personal risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Water may be used to blanket fire. Directly spraying water or foam onto hot burning product may cause frothing. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire.

### Special Protective Equipment and Precautions for Firefighters

Wear full protective firefighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure.

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## \* \* \*Section 6 - ACCIDENTAL RELEASE MEASURES\* \* \*

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

### Methods and Materials for Containment and Cleaning Up

In case of spillage, stop the flow of material and block any potential routes to water systems. Absorb (with sand, earth, etc.) discharged material and dispose of in accordance with applicable Federal, State and local regulations. Deny access to the spill area to persons who are not involved in the cleanup and/or who have not been properly trained in spill management of hazardous liquids. Shovel material into appropriate container for disposal. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of EPA. Subject to California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

## \* \* \*Section 7 - HANDLING AND STORAGE\* \* \*

### Precautions for Safe Handling

Avoid breathing dust. Avoid breathing vapors of heated materials. Avoid prolonged or repeated contact with skin or eyes. Avoid contact with molten material. Wear appropriate protective equipment when performing maintenance on contaminated equipment. Observe good hygiene and safety practices when handling this product. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

### Conditions for Safe Storage, including any Incompatibilities

Do not store in open, unlabeled or mislabeled containers. Keep in a closed, properly labeled container in a cool (shaded), dry, well-ventilated area. Protect from sunlight. Heat increases pressure and may explode container. Keep separated from incompatible substances. Protect from physical damage. Maintain good housekeeping. Keep away from incompatible materials.

**Incompatibilities** Avoid oxidizing materials.

## \* \* \*Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION\* \* \*

### Component Exposure Limits

#### Coal tar pitches (65996-93-2)

**ACGIH:** 0.2 mg/m<sup>3</sup> TWA (as benzene soluble aerosol)

**NIOSH:** 0.1 mg/m<sup>3</sup> TWA (Cyclohexane-extractable fraction)  
80 mg/m<sup>3</sup> IDLH

**OSHA (US):** 0.2 mg/m<sup>3</sup> TWA (benzene soluble fraction)

**OSHA (vacated):** 0.2 mg/m<sup>3</sup> TWA (benzene soluble fraction)

**Mexico:** 0.002 mg/m<sup>3</sup> TWA LMPE-PPT; 0.02 mg/m<sup>3</sup> TWA LMPE-PPT (as Particulate polycyclic aromatic hydrocarbons)  
0.015 ppm STEL [LMPE-CT]; 0.03 mg/m<sup>3</sup> STEL [LMPE-CT]

#### Chrysene (218-01-9)

**OSHA (US):** 0.2 mg/m<sup>3</sup> TWA

#### Pyrene (129-00-0)

**OSHA (US):** 0.2 mg/m<sup>3</sup> TWA

#### Benzo[a]pyrene (50-32-8)

**OSHA (US):** 0.2 mg/m<sup>3</sup> TWA

#### Phenanthrene (85-01-8)

**OSHA (US):** 0.2 mg/m<sup>3</sup> TWA

#### Anthracene (120-12-7)

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OSHA (US): 0.2 mg/m<sup>3</sup> TWA

## Appropriate Engineering Controls

Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

## Individual Protection Measures, such as Personal Protective Equipment

### Eyes/Face Protection

Wear chemical safety goggles with a faceshield or chemical splash hood. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

### Skin Protection

Wear appropriate chemical resistant clothing. To reduce sun sensitivity, a sun-blocking lotion (SPF15+) can also be applied. Wear washable or disposable coveralls or long-sleeved shirt and long pants. Wear socks plus industrial grade safety boots with chemical resistant soles. At elevated temperatures: Wear appropriate heat resistant clothing.

### Glove Recommendations

Wear appropriate chemical resistant gloves. At elevated temperatures: Wear appropriate heat resistant gloves.

### Respiratory Protection

If the applicable TLVs and/or PELs are exceeded, use canister or cartridge respirators, which are MSHA/NIOSH-approved, with organic vapor cartridges and high-efficiency particulate filters.

## \*\*\*Section 9 - PHYSICAL AND CHEMICAL PROPERTIES\*\*\*

<b>Physical State:</b>	Solid	<b>Appearance:</b>	black solid changes from solid to liquid as temperature increases
<b>Color:</b>	black	<b>Physical Form:</b>	changes from solid to liquid as temperature increases
<b>Odor:</b>	aromatic odor	<b>Odor Threshold:</b>	Not available
<b>Melting Point:</b>	Not available	<b>Boiling Point:</b>	Not applicable
<b>Flash Point:</b>	>150 °F	<b>Decomposition:</b>	Not available
<b>OSHA Flammability Class:</b>	IIIA	<b>LEL:</b>	Not available
<b>UEL:</b>	Not available	<b>Vapor Pressure:</b>	none @ 20 °C
<b>Vapor Density (air = 1):</b>	Not applicable	<b>Density:</b>	Not available
<b>Specific Gravity (water = 1):</b>	Not available	<b>Water Solubility:</b>	Negligible
<b>Log KOW:</b>	Not available	<b>Coeff. Water/Oil Dist:</b>	Not available
<b>Auto Ignition:</b>	Not available	<b>Viscosity:</b>	Not available

## Other Property Information

## \*\*\*Section 10 - STABILITY AND REACTIVITY\*\*\*

### Reactivity

No reactivity hazard is expected.

### Chemical Stability

Stable at normal temperatures and pressure.

### Possibility of Hazardous Reactions

Will not polymerize.

### Conditions to Avoid

Avoid generating dust. Avoid heat, flames, sparks and other sources of ignition. When heated above its boiling point, may generate vapors that may ignite in air and a source of ignition. Avoid contact with water when in a confined space at elevated temperatures.

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## Incompatible Materials

Avoid oxidizing materials.

## Hazardous Decomposition

**Combustion:** oxides of carbon, oxides of nitrogen, polycyclic aromatic hydrocarbons (PAHs)

## \* \* \*Section 11 - TOXICOLOGICAL INFORMATION\* \* \*

### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

### Information on Likely Routes of Exposure

#### Inhalation

Irritation, difficulty breathing, headache, drowsiness, dizziness, loss of coordination

#### Ingestion

Irritation, nausea, vomiting, stomach pain, headache, drowsiness, dizziness, loss of coordination, coma, cancer

#### Skin Contact

Irritation, sensitivity to sunlight, cancer

#### Eye Contact

Irritation, sensitivity to sunlight

#### Immediate Effects

Respiratory tract irritation, skin irritation, eye irritation, allergic reactions

#### Delayed Effects

Allergic reactions, heritable genetic damage, cancer, reproductive effects

#### Medical Conditions Aggravated by Exposure

Medical conditions may include respiratory disorders and skin disorders.

#### Irritation/Corrosivity Data

Respiratory tract irritation, skin irritation, eye irritation

#### Respiratory Sensitization

Component data indicate the substance is sensitizing.

#### Dermal Sensitization

Component data indicate the substance is sensitizing.

#### Carcinogenicity

##### Component Carcinogenicity

###### Coal tar pitches (65996-93-2)

**ACGIH:** A1 - Confirmed Human Carcinogen

**IARC:** Monograph 100F [2012]; Supplement 7 [1987]; Monograph 35 [1985] (Group 1 (carcinogenic to humans))

**NTP:** Known Human Carcinogen

Reasonably Anticipated To Be A Human Carcinogen (related to Aromatic hydrocarbons, polycyclic)

###### Benzo(ghi)perylene (191-24-2)

**IARC:** Monograph 92 [2010]; Supplement 7 [1987]; Monograph 32 [1983] (Group 3 (not classifiable))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen (related to Aromatic hydrocarbons, polycyclic)

###### Indeno(1,2,3-cd)pyrene (193-39-5)

**IARC:** Monograph 92 [2010]; Supplement 7 [1987]; Monograph 32 [1983] (Group 2B (possibly carcinogenic to humans))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen

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## Chrysene (218-01-9)

**ACGIH:** A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

**IARC:** Monograph 92 [2010]; Supplement 7 [1987]; Monograph 32 [1983] (Group 2B (possibly carcinogenic to humans))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen (related to Aromatic hydrocarbons, polycyclic)

## Benzo(b)fluoranthene (205-99-2)

**ACGIH:** A2 - Suspected Human Carcinogen

**IARC:** Monograph 92 [2010]; Supplement 7 [1987]; Monograph 32 [1983] (Group 2B (possibly carcinogenic to humans))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen

## Fluoranthene (206-44-0)

**IARC:** Monograph 92 [2010]; Supplement 7 [1987]; Monograph 32 [1983] (Group 3 (not classifiable))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen (related to Aromatic hydrocarbons, polycyclic)

## Benz[a]anthracene (56-55-3)

**ACGIH:** A2 - Suspected Human Carcinogen

**IARC:** Monograph 92 [2010]; Supplement 7 [1987]; Monograph 32 [1983] (Group 2B (possibly carcinogenic to humans))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen

## Pyrene (129-00-0)

**IARC:** Monograph 92 [2010]; Supplement 7 [1987]; Monograph 32 [1983] (Group 3 (not classifiable))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen (related to Aromatic hydrocarbons, polycyclic)

## Benzo(e)pyrene (192-97-2)

**IARC:** Monograph 92 [2010]; Supplement 7 [1987]; Monograph 32 [1983] (Group 3 (not classifiable))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen (related to Aromatic hydrocarbons, polycyclic)

## Benzo[a]pyrene (50-32-8)

**ACGIH:** A2 - Suspected Human Carcinogen

**IARC:** Monograph 100F [2012]; Monograph 92 [2010]; Supplement 7 [1987]; Monograph 32 [1983] (overall evaluation upgraded from Group 2B to Group 1 based on mechanistic and other relevant data) (Group 1 (carcinogenic to humans))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen

## Benzo(j)fluoranthene (205-82-3)

**IARC:** Monograph 92 [2010]; Supplement 7 [1987]; Monograph 32 [1983] (Group 2B (possibly carcinogenic to humans))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen

## Benzo(k)fluoranthene (207-08-9)

**IARC:** Monograph 92 [2010]; Supplement 7 [1987]; Monograph 32 [1983] (Group 2B (possibly carcinogenic to humans))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen

## Dibenzo(a,h)pyrene (189-64-0)

**IARC:** Monograph 92 [2010]; Supplement 7 [1987]; Monograph 32 [1983] (Group 2B (possibly carcinogenic to humans))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen

## Phenanthrene (85-01-8)

**IARC:** Monograph 92 [2010]; Supplement 7 [1987]; Monograph 32 [1983] (Group 3 (not classifiable))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen (related to Aromatic hydrocarbons, polycyclic)

## Dibenzo(a,e)pyrene (192-65-4)

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**IARC:** Monograph 92 [2010]; Supplement 7 [1987]; Monograph 32 [1983] (Group 3 (not classifiable))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen

## **Dibenzo(a,h)anthracene (53-70-3)**

**IARC:** Monograph 92 [2010]; Supplement 7 [1987]; Monograph 32 [1983] (overall evaluation upgraded from 2B to 2A with supporting evidence from other relevant data) (Group 2A (probably carcinogenic to humans))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen

## **Dibenzo(a,i)pyrene (189-55-9)**

**IARC:** Monograph 92 [2010]; Supplement 7 [1987]; Monograph 32 [1983] (Group 2B (possibly carcinogenic to humans))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen

## **Benzo[b]fluorene (243-17-4)**

**IARC:** Monograph 92 [2010]; Supplement 7 [1987]; Monograph 32 [1983] (Group 3 (not classifiable))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen (related to Aromatic hydrocarbons, polycyclic)

## **Anthracene (120-12-7)**

**IARC:** Monograph 92 [2010]; Supplement 7 [1987]; Monograph 32 [1983] (Group 3 (not classifiable))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen (related to Aromatic hydrocarbons, polycyclic)

## **Acenaphthene (83-32-9)**

**IARC:** Monograph 92 [2010] (Group 3 (not classifiable))

**NTP:** Reasonably Anticipated To Be A Human Carcinogen (related to Aromatic hydrocarbons, polycyclic)

## **9H-Carbazole (86-74-8)**

**IARC:** Monograph 103 [2013]; Monograph 71 [1999]; Supplement 7 [1987]; Monograph 32 [1983] (Group 2B (possibly carcinogenic to humans))

## **Mutagenic Data**

Available data characterizes this substance as mutagenic. May cause genetic defects

## **Reproductive Effects Data**

Available data characterizes components of this product as reproductive hazards. May cause harm to unborn child.

## **Specific Target Organ Toxicity - Single Exposure**

Respiratory system

## **Specific Target Organ Toxicity - Repeated Exposure**

Respiratory system

## **Aspiration Hazard**

No data available.

## **\* \* \*Section 12 - ECOLOGICAL INFORMATION\* \* \***

## **Ecotoxicity**

May cause long-term adverse effects in the aquatic environment.

## **Component Analysis - Aquatic Toxicity**

### **Benz[a]anthracene (56-55-3)**

**Invertebrate:** 48 Hr EC50 Daphnia magna: 0.0042 mg/L

### **Pyrene (129-00-0)**

**Invertebrate:** 48 Hr EC50 water flea: 1.8 mg/L



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## Anthracene (120-12-7)

**Fish:** 96 Hr LC50 Lepomis macrochirus: 0 - 0.00318 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 0.00278 mg/L [static]

**Invertebrate:** 48 Hr EC50 Daphnia magna: 0.081 - 0.112 mg/L

## Acenaphthene (83-32-9)

**Fish:** 96 Hr LC50 Pimephales promelas: 0.509 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 0.6 - 0.75 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 1.3 - 2.1 mg/L [static]

**Algae:** 96 Hr EC50 Pseudokirchneriella subcapitata: 0.23 - 1.15 mg/L

**Invertebrate:** 48 Hr EC50 Daphnia magna: 41 mg/L; 48 Hr EC50 Daphnia magna: 3.45 mg/L; 48 Hr EC50 Daphnia magna: 1.102 - 1.475 mg/L [Static]

## Persistence and Degradability

This substance is not expected to biodegrade.

## Bioaccumulative Potential

This material is believed to bioaccumulate.

## Mobility

This substance is expected to be immobile in soil.

## \* \* \*Section 13 - DISPOSAL CONSIDERATIONS\* \* \*

### Disposal Methods

Absorb (with sand, earth, etc.) discharged material and dispose of in accordance with applicable Federal, State and local regulations.

### Waste Numbers

There are no applicable U.S. EPA listed waste codes (40 CFR 261 Subpart D) for this product.

## \* \* \*Section 14 - TRANSPORT INFORMATION\* \* \*

### Transportation

Applicable shipping classification depends on size of containers: Environmentally hazardous substance, solid, n.o.s. (Contains: Benzo(a)pyrene, Dibenzo(a,h)anthracene), RQ, 9, UN3077, PGIII, (DOT-E 11263)

### US DOT Information

**Shipping Name:** Elevated temperature liquid, n.o.s. (Contains: Benzo[a]pyrene, Dibenzo(a,h)anthracene), RQ

**UN/NA #:** UN3257 **Hazard Class:** 9 **Packing Group:** III

**Required Label(s):** 9

**Other Information:** Applicable shipping classification depends on size of containers:

Non-bulk containers are shipped as

Environmentally hazardous substance, solid, n.o.s. (Contains: Benzo(a)pyrene, Dibenzo(a,h)anthracene), RQ, 9, UN3077, PGIII, (DOT-E 11263)

### US DOT Reportable Quantities

#### Benzo(ghi)perylene (191-24-2)

5000 lbs RQ; 2270 kg RQ

#### Indeno(1,2,3-cd)pyrene (193-39-5)

100 lbs RQ; 45.4 kg RQ

#### Chrysene (218-01-9)

100 lbs RQ; 45.4 kg RQ

#### Benzo(b)fluoranthene (205-99-2)

1 lbs RQ; 0.454 kg RQ

#### Fluoranthene (206-44-0)

100 lbs RQ; 45.4 kg RQ

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**Benz[a]anthracene (56-55-3)**

10 lbs RQ; 4.54 kg RQ

**Pyrene (129-00-0)**

5000 lbs RQ; 2270 kg RQ

**Benzo[a]pyrene (50-32-8)**

1 lbs RQ; 0.454 kg RQ

**Benzo(k)fluoranthene (207-08-9)**

5000 lbs RQ; 2270 kg RQ

**Phenanthrene (85-01-8)**

5000 lbs RQ; 2270 kg RQ

**Dibenzo(a,h)anthracene (53-70-3)**

1 lbs RQ; 0.454 kg RQ

**Dibenzo(a,i)pyrene (189-55-9)**

10 lbs RQ; 4.54 kg RQ

**Anthracene (120-12-7)**

5000 lbs RQ; 2270 kg RQ

**Acenaphthene (83-32-9)**

100 lbs RQ; 45.4 kg RQ

**Fluorene (86-73-7)**

5000 lbs RQ; 2270 kg RQ

## TDG Information

**Shipping Name:** Elevated temperature liquid, n.o.s.

**UN #:** UN3257 **Hazard Class:** 9 **Packing Group:** III

**Required Label(s):** 9

**Other Information:** Applicable shipping classification depends on size of containers:

Non-bulk containers are shipped as

Environmentally hazardous substance, solid, n.o.s. (Contains: Benzo(a)pyrene, Dibenzo(a,h)anthracene), RQ, 9, UN3077, PGIII, (DOT-E 11263)

## \* \* \*Section 15 - REGULATORY INFORMATION\* \* \*

### Component Analysis

#### U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

**Benzo(ghi)perylene (191-24-2)**

**SARA 313:** 1.0 % Supplier notification limit

**CERCLA:** 5000 lb final RQ; 2270 kg final RQ

**Indeno(1,2,3-cd)pyrene (193-39-5)**

**SARA 313:** 0.1 % Supplier notification limit

**CERCLA:** 100 lb final RQ; 45.4 kg final RQ

**Chrysene (218-01-9)**

**SARA 313:** 1.0 % Supplier notification limit

**CERCLA:** 100 lb final RQ; 45.4 kg final RQ

**Benzo(b)fluoranthene (205-99-2)**

**SARA 313:** 0.1 % Supplier notification limit

**CERCLA:** 1 lb final RQ; 0.454 kg final RQ

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## Fluoranthene (206-44-0)

SARA 313: 1.0 % Supplier notification limit  
CERCLA: 100 lb final RQ; 45.4 kg final RQ

## Benz[a]anthracene (56-55-3)

SARA 313: 0.1 % Supplier notification limit  
CERCLA: 10 lb final RQ; 4.54 kg final RQ

## Pyrene (129-00-0)

SARA 302: 1000 lb lower TPQ; 10000 lb upper TPQ  
SARA 304: 5000 lb EPCRA RQ  
CERCLA: 5000 lb final RQ; 2270 kg final RQ

## Benzo[a]pyrene (50-32-8)

SARA 313: 0.1 % Supplier notification limit  
CERCLA: 1 lb final RQ; 0.454 kg final RQ

## Benzo(j)fluoranthene (205-82-3)

SARA 313: 0.1 % Supplier notification limit

## Benzo(k)fluoranthene (207-08-9)

SARA 313: 0.1 % Supplier notification limit  
CERCLA: 5000 lb final RQ; 2270 kg final RQ

## Dibenzo(a,h)pyrene (189-64-0)

SARA 313: 0.1 % Supplier notification limit

## Phenanthrene (85-01-8)

SARA 313: 1.0 % de minimis concentration  
CERCLA: 5000 lb final RQ; 2270 kg final RQ

## Dibenzo(a,e)pyrene (192-65-4)

SARA 313: 0.1 % Supplier notification limit

## Dibenzo(a,h)anthracene (53-70-3)

SARA 313: 0.1 % Supplier notification limit  
CERCLA: 1 lb final RQ; 0.454 kg final RQ

## Dibenzo(a,i)pyrene (189-55-9)

SARA 313: 0.1 % Supplier notification limit  
CERCLA: 10 lb final RQ; 4.54 kg final RQ

## Anthracene (120-12-7)

SARA 313: 1.0 % de minimis concentration  
CERCLA: 5000 lb final RQ; 2270 kg final RQ

## Acenaphthene (83-32-9)

CERCLA: 100 lb final RQ; 45.4 kg final RQ

## Fluorene (86-73-7)

CERCLA: 5000 lb final RQ; 2270 kg final RQ

## FIFRA Information

### SARA 311/312 Hazardous Categories

Acute Health: Yes Chronic Health: Yes Fire: No Pressure: No Reactive: No

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## U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Benzo(ghi)perylene (¹related to: Aromatic hydrocarbons, polycyclic)	191-24-2	Yes	Yes	Yes¹	Yes	Yes
Indeno(1,2,3-cd)pyrene	193-39-5	Yes	Yes	Yes	Yes	Yes
Chrysene	218-01-9	Yes	Yes	Yes	Yes	Yes
Benzo(b)fluoranthene	205-99-2	Yes	Yes	Yes	Yes	Yes
Fluoranthene (¹related to: Aromatic hydrocarbons, polycyclic)	206-44-0	Yes	Yes	Yes¹	Yes	Yes
Benz[a]anthracene	56-55-3	Yes	Yes	Yes	Yes	Yes
Pyrene (¹related to: Aromatic hydrocarbons, polycyclic)	129-00-0	Yes	Yes	Yes¹	Yes	Yes
Benzo(e)pyrene (¹related to: Aromatic hydrocarbons, polycyclic)	192-97-2	No	No	Yes¹	Yes¹	Yes¹
Benzo[a]pyrene	50-32-8	Yes	Yes	Yes	Yes	Yes
Benzo(j)fluoranthene	205-82-3	Yes	Yes	Yes	Yes	Yes
Benzo(k)fluoranthene	207-08-9	Yes	Yes	Yes	Yes	Yes
Dibenzo(a,h)pyrene	189-64-0	Yes	Yes	Yes	Yes	Yes
Phenanthrene (¹related to: Aromatic hydrocarbons, polycyclic)	85-01-8	Yes	Yes	Yes¹	Yes	Yes
Dibenzo(a,e)pyrene	192-65-4	Yes	Yes	Yes	Yes	Yes
Dibenzo(a,h)anthracene	53-70-3	Yes	Yes	Yes	Yes	Yes
Dibenzo(a,i)pyrene	189-55-9	Yes	Yes	Yes	Yes	Yes
Benzo[b]fluorene (¹related to: Aromatic hydrocarbons, polycyclic)	243-17-4	No	No	Yes¹	Yes¹	Yes¹
Anthracene (¹related to: Aromatic hydrocarbons, polycyclic)	120-12-7	Yes	Yes	Yes¹	Yes	Yes
Acenaphthene (¹related to: Aromatic hydrocarbons, polycyclic)	83-32-9	Yes	Yes	Yes¹	Yes	Yes
Fluorene (¹related to: Aromatic hydrocarbons, polycyclic)	86-73-7	No	Yes	Yes¹	Yes	Yes
9H-Carbazole	86-74-8	Yes	No	No	No	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

## Canada

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

**WHMIS CLASSIFICATION:** D2A, D2B.

## Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which fall under WHMIS criteria specified in the Controlled Products Regulations and present above the threshold limits listed on the IDL.

### Indeno(1,2,3-cd)pyrene (193-39-5)

0.1 %

### Chrysene (218-01-9)

0.1 %

### Benzo(b)fluoranthene (205-99-2)

0.1 %

### Benz[a]anthracene (56-55-3)

0.1 %

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**Benzo[a]pyrene (50-32-8)**

0.1 %

**Dibenzo(a,h)pyrene (189-64-0)**

0.1 %

**Dibenzo(a,h)anthracene (53-70-3)**

0.1 %

**Dibenzo(a,i)pyrene (189-55-9)**

0.1 %

## Component Analysis - Inventory

Component	CAS	US	CA
Coal tar pitches	65996-93-2	Yes	DSL
Benzo(ghi)perylene	191-24-2	No	No
Indeno(1,2,3-cd)pyrene	193-39-5	Yes	NSL
Chrysene	218-01-9	Yes	DSL
Benzo(b)fluoranthene	205-99-2	No	No
Fluoranthene	206-44-0	Yes	NSL
Benz[a]anthracene	56-55-3	Yes	NSL
Pyrene	129-00-0	Yes	DSL
Benzo(e)pyrene	192-97-2	No	No
Benzo[a]pyrene	50-32-8	Yes	DSL
Benzo(j)fluoranthene	205-82-3	No	No
Benzo(k)fluoranthene	207-08-9	No	No
Dibenzo(a,h)pyrene	189-64-0	No	No
Phenanthrene	85-01-8	Yes	DSL
Dibenzo(a,e)pyrene	192-65-4	No	No
Dibenzo(a,h)anthracene	53-70-3	Yes	NSL
Dibenzo(a,i)pyrene	189-55-9	No	No
Benzo[a]fluorene	30777-18-5	No	No
Benzo[b]fluorene	243-17-4	No	No
Anthracene	120-12-7	Yes	DSL
Acenaphthene	83-32-9	Yes	DSL
Fluorene	86-73-7	Yes	DSL
9H-Carbazole	86-74-8	Yes	DSL

## \*\*\*Section 16 - OTHER INFORMATION\*\*\*

**NFPA Ratings: Health: 2 Fire: 1 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

# Safety Data Sheet

Material Name: Coal Tar Pitch

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## Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CPR - Controlled Products Regulations; DSL - Domestic Substances List; EPA - Environmental Protection Agency; F - Fahrenheit; IARC - International Agency for Research on Cancer; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; Kow - Octanol/water partition coefficient; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; OSHA - Occupational Safety and Health Administration; RCRA - Resource Conservation and Recovery Act; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

## Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. Read the Safety Data Sheet before handling product.

## SDS History

Revision 2.0000, 28 May 2015: Updated to OSHA GHS format.

End of Sheet STE-009