SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
US - OSHA Hazard Communication Standard (29 CFR 1910.1200)

Issuing Date 09-Sep-2020 **Revision Date** 09-Sep-2020 **Revision Number** 1

1. Identification

Product identifier

Product Name Crude Coal Tar

Other means of identification

Product Code(s) Crude Coal Tar

UN/ID no UN3082

Synonyms Brush Base; Mastic Base; Coating Grade Tar; Roofing Grade Tar Base; RT-5 through RT-9

Recommended use of the chemical and restrictions on use

Recommended use Coatings
Epoxy resin

Restrictions on use No information available

Details of the supplier of the safety data sheet

Supplier Address
Arbor Preservative Systems, LLC
1471 Channel Avenue
Memphis, TN 38106
Tel: 901-942-3326

E-mail jeffw@arborpreservative.com

Emergency telephone number

Emergency telephone Chemtrec 1-800-424-9300

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 2
Skin sensitization	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Reproductive toxicity	Category 1B

Hazards not otherwise classified (HNOC)
Not applicable.
Label elements

Danger

Hazard statements
Harmful if swallowed.
Fatal if inhaled.
May cause an allergic skin reaction.
May cause genetic defects.
May cause cancer.
May damage fertility or the unborn child.

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wear respiratory protection
Contaminated work clothing must not be allowed out of the workplace

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
IF ON SKIN: Wash with plenty of water and soap
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse
IF INHALED: Remove person to fresh air and keep comfortable for breathing
Immediately call a POISON CENTER or doctor
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell
Rinse mouth

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Other information
Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life.

Unknown acute toxicity

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Synonyms Brush Base; Mastic Base; Coating Grade Tar; Roofing Grade Tar Base; RT-5 through RT-9

Chemical name	CAS No	Weight-%	Trade secret
Coal tar	8007-45-2	100	*
Naphthalene	91-20-3	25.7	*
Pyrene	129-00-0	8.72	*
Benzo(b)fluoranthene	205-99-2	3.82	*
Phenanthrene	85-01-8	2.87	*
Benzo[a]pyrene	50-32-8	1.64	*
Benzo(k)fluoranthene	207-08-9	1.16	*
Chrysene	218-01-9	0.741	*
Benz[a]anthracene	56-55-3	0.545	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance. Immediate medical attention is required. IF exposed or concerned: Get medical advice/attention.

Inhalation If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen.

Eye contact Rinse thoroughly with plenty of water, also under the eyelids.

Skin contact Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

Ingestion Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Self-protection of the first aider Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Do not breathe vapor or mist. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Use personal protective equipment as required. See section 8 for more information.

Most important symptoms and effects, both acute and delayed

Symptoms Coughing and/ or wheezing. Difficulty in breathing. Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical Product is or contains a sensitizer. May cause sensitization by skin contact.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Do not breathe vapor or mist. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other information Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not breathe vapor or mist. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and shoes.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store locked up.

8. Exposure controls/personal protection

Control parameters

Exposure Limits The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Coal tar 8007-45-2	-	TWA: 150 µg/m^3	TWA: 0.2 mg/m^3 Benzene soluble fraction
Naphthalene 91-20-3	TWA: 10 ppm S*	TWA: 10 ppm TWA: 50 mg/m^3 (vacated) TWA: 10 ppm	IDLH: 250 ppm TWA: 10 ppm TWA: 50 mg/m^3

		(vacated) TWA: 50 mg/m^3 (vacated) STEL: 15 ppm (vacated) STEL: 75 mg/m^3	STEL: 15 ppm STEL: 75 mg/m^3
Pyrene 129-00-0	-	TWA: 0.2 mg/m^3	-
Benzo(b)fluoranthene 205-99-2	Exposure by all routes should be carefully controlled to levels as low as possible	-	-
Phenanthrene 85-01-8	-	TWA: 0.2 mg/m^3	-
Benzo[a]pyrene 50-32-8	Exposure by all routes should be carefully controlled to levels as low as possible	TWA: 0.2 mg/m^3	-
Chrysene 218-01-9	Exposure by all routes should be carefully controlled to levels as low as possible	TWA: 0.2 mg/m^3	-
Benz[a]anthracene 56-55-3	Exposure by all routes should be carefully controlled to levels as low as possible	-	-

Biological occupational exposure limits

Chemical name	ACGIH
Naphthalene 91-20-3	- (1-Naphthol with hydrolysis plus 2-Naphthol with hydrolysis) - end of shift
Benzo(b)fluoranthene 205-99-2	2.5 µg/L - urine (1-Hydroxypyrene with hydrolysis) - end of shift at end of workweek - urine (3-Hydroxybenzo(a)pyrene with hydrolysis) - end of shift at end of workweek
Benzo[a]pyrene 50-32-8	2.5 µg/L - urine (1-Hydroxypyrene with hydrolysis) - end of shift at end of workweek - urine (3-Hydroxybenzo(a)pyrene with hydrolysis) - end of shift at end of workweek
Chrysene 218-01-9	2.5 µg/L - urine (1-Hydroxypyrene with hydrolysis) - end of shift at end of workweek - urine (3-Hydroxybenzo(a)pyrene with hydrolysis) - end of shift at end of workweek
Benz[a]anthracene 56-55-3	- urine (1-Hydroxypyrene with hydrolysis) - end of shift at end of workweek

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations Avoid contact with skin, eyes or clothing. Do not breathe vapor or mist. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Black viscous Semi-Solid
Physical state	Liquid
Color	black
Odor	Naphthalenic
Odor threshold	No data available

Property	**Values**	**Remarks • Method**
pH	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash point	>150 °C	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	<1 mm	None known
Vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	Negligible	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

Other information

Explosive properties	No information available.
Oxidizing properties	No information available.
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk density	No information available

10. Stability and reactivity

Reactivity None under normal use conditions.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid Excessive heat. Exposure to water.

Incompatible materials Oxidizing agent.

Hazardous decomposition products Carbon oxides. Nitrogen oxides (NOx).

11. Toxicological information

Information on likely routes of exposure

Product Information .

Inhalation Specific test data for the substance or mixture is not available. Fatal if inhaled. (based on components).

Eye contact Specific test data for the substance or mixture is not available.

Skin contact May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components).

Ingestion Specific test data for the substance or mixture is not available. Harmful if swallowed. (based on components).

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Coughing and/ or wheezing. Difficulty in breathing. Itching. Rashes. Hives.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document:
ATEmix (inhalation-dust/mist) 0.33 mg/l

Unknown acute toxicity

1700 mg/kg (rat) 15800 mg/kg (rabbit)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Coal tar 8007-45-2	= 1700 mg/kg (Rat)	= 15800 mg/kg (Rabbit)	-
Naphthalene 91-20-3	= 1110 mg/kg (Rat)	= 1120 mg/kg (Rabbit)	> 340 mg/m^3 (Rat) 1 h
Pyrene 129-00-0	= 2700 mg/kg (Rat)	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization May cause sensitization by skin contact.

Germ cell mutagenicity Contains a known or suspected mutagen. Classification based on data available for ingredients. May cause genetic defects.

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Coal tar 8007-45-2	-	Group 1	Known	X
Naphthalene 91-20-3	A3	Group 2B	Reasonably Anticipated	X
Pyrene	-	Group 3	-	-

129-00-0				
Benzo(b)fluoranthene 205-99-2	A2	Group 2B	Reasonably Anticipated	X
Phenanthrene 85-01-8	-	Group 3	-	-
Benzo[a]pyrene 50-32-8	A2	Group 1	Reasonably Anticipated	X
Benzo(k)fluoranthene 207-08-9	-	Group 2B	Reasonably Anticipated	X
Chrysene 218-01-9	A3	Group 2B	-	X
Benz[a]anthracene 56-55-3	A2	Group 2B	Reasonably Anticipated	X

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
A2 - Suspected Human Carcinogen
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 2B - Possibly Carcinogenic to Humans
Group 3 - Not Classifiable as to Carcinogenicity in Humans
NTP (National Toxicology Program)
Known - Known Carcinogen
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Reproductive toxicity Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. May damage fertility or the unborn child.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target organ effects Liver. Kidney. Respiratory system. Eyes. Skin. Central nervous system. Blood. Urinary tract. Bladder. Lungs.

Aspiration hazard No information available.

Other adverse effects No information available.

Interactive effects No information available.

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Naphthalene 91-20-3	-	LC50: 0.91 - 2.82mg/L (96h, Oncorhynchus mykiss) LC50: 5.74 - 6.44mg/L (96h, Pimephales promelas) LC50: =1.6mg/L (96h, Oncorhynchus mykiss) LC50: =1.99mg/L (96h, Pimephales promelas) LC50: =31.0265mg/L (96h, Lepomis	-	EC50: 1.09 - 3.4mg/L (48h, Daphnia magna) EC50: =1.96mg/L (48h, Daphnia magna) LC50: =2.16mg/L (48h, Daphnia magna)

		macrochirus)		
Pyrene 129-00-0	-	-	-	EC50: =1.8mg/L (48h, water flea)
Benz[a]anthracene 56-55-3	-	-	-	EC50: =0.0042mg/L (48h, Daphnia magna)

Persistence and degradability No information available.

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient
Naphthalene 91-20-3	3.6
Pyrene 129-00-0	4.88
Benzo(b)fluoranthene 205-99-2	6.57
Phenanthrene 85-01-8	4.5
Benzo[a]pyrene 50-32-8	6.06
Benzo(k)fluoranthene 207-08-9	6.84
Chrysene 218-01-9	5.61 - 5.91
Benz[a]anthracene 56-55-3	5.61

Other adverse effects No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

US EPA Waste Number U018 U022 U050 U120 U165

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Coal tar 8007-45-2	-	Included in waste stream: K022	-	-
Naphthalene 91-20-3	U165	Included in waste streams: F024, F025, F034, F039, K001, K035, K060, K087, K145	-	U165
Pyrene 129-00-0	-	Included in waste stream: F039	-	-
Benzo(b)fluoranthene 205-99-2	-	Included in waste streams: F039, K001, K035, K141, K142, K143, K144, K147, K148, K170	-	-
Phenanthrene 85-01-8	-	Included in waste stream: F039	-	-
Benzo[a]pyrene 50-32-8	U022	Included in waste streams: F032, F034, F037, F038, F039, K001,	-	U022

		K035, K141, K142, K144, K145, K147, K148, K170		
Benzo(k)fluoranthene 207-08-9	-	Included in waste streams: F034, F039, K141, K142, K143, K144, K147, K148, K170	-	-
Chrysene 218-01-9	U050	Included in waste streams: F037, F038, F039, K001, K035	-	U050
Benz[a]anthracene 56-55-3	U018	Included in waste streams: F032, F034, F039, K001, K035, K141, K142, K143, K144, K145, K147, K148, K170	-	U018

Chemical name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Naphthalene 91-20-3	-	-	Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	-

California Hazardous Waste Status This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste Status
Naphthalene 91-20-3	Toxic

14. Transport information

DOT

UN/ID no UN3082

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport hazard class(es) 9

Packing group III

Reportable Quantity (RQ) (Coal tar: RQ (kg)= 0.454, Naphthalene: RQ (kg)= 45.40, Fluoranthene: RQ (kg)= 45.40, Benzo(b)fluoranthene: RQ (kg)= 0.454, Benzo[a]pyrene: RQ (kg)= 0.454, Chrysene: RQ (kg)= 45.40, Benz[a]anthracene: RQ (kg)= 4.54) Coal tar: RQ (lb)= 1, Naphthalene: RQ (lb)= 100.00, Fluoranthene: RQ (lb)= 100.00, Benzo(b)fluoranthene: RQ (lb)= 1, Benzo[a]pyrene: RQ (lb)= 1, Chrysene: RQ (lb)= 100.00, Benz[a]anthracene: RQ (lb)= 10

DOT reportable quantity kg (calculated) Coal tar: RQ (kg)= 0, Naphthalene: RQ (kg)= 177.00, Fluoranthene: RQ (kg)= 388.00, Benzo(b)fluoranthene: RQ (kg)= 12.00, Benzo[a]pyrene: RQ (kg)= 28.00, Chrysene: RQ (kg)= 6127.00, Benz[a]anthracene: RQ (kg)= 833.00

DOT Reportable Quantity lbs. (calculated)	Coal tar: RQ (lb)= 1, Naphthalene: RQ (lb)= 389.00, Fluoranthene: RQ (lb)= 855.00, Benzo(b)fluoranthene: RQ (lb)= 26.00, Benzo[a]pyrene: RQ (lb)= 61.00, Chrysene: RQ (lb)= 13495.00, Benz[a]anthracene: RQ (lb)= 1835.00
Special Provisions	8, 146, 173, 335, IB3, T4, TP1, TP29
DOT Marine Pollutant	P
Marine pollutant	Coal tar, Naphthalene
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Coal tar, Naphthalene), 9, III, Marine pollutant
Emergency Response Guide Number	171

IATA

UN number or ID number	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Transport hazard class(es)	9
Packing group	III
ERG Code	9L
Special Provisions	A97, A158, A197
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Coal tar, Naphthalene), 9, III

IMDG

UN number or ID number	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport hazard class(es)	9
Packing group	III
EmS-No	F-A, S-F
Marine pollutant	P
Marine pollutant	Coal tar, Naphthalene
Special Provisions	274, 335, 969
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Coal tar, Naphthalene), 9, III, (0°C C.C.), Marine pollutant

15. Regulatory information

International Inventories

TSCA Contact supplier for inventory compliance status.

Chemical name	CAS No	US TSCA Inventory listing	US TSCA inactive/active designation
Coal tar	8007-45-2	Present	Active
Naphthalene	91-20-3	Present	Active
Fluoranthene	206-44-0	Present	Active
Pyrene	129-00-0	Present	Active
Benzo(b)fluoranthene	205-99-2		
Phenanthrene	85-01-8	Present	Active
Benzo[a]pyrene	50-32-8	Present	Active
Benzo(k)fluoranthene	207-08-9		
Chrysene	218-01-9	Present	Active
Benz[a]anthracene	56-55-3	Present	Active

*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %
Naphthalene - 91-20-3	0.1
Pyrene - 129-00-0	0.1
Benzo(b)fluoranthene - 205-99-2	0.1
Phenanthrene - 85-01-8	1.0
Benzo[a]pyrene - 50-32-8	0.1
Benzo(k)fluoranthene - 207-08-9	0.1
Chrysene - 218-01-9	1.0
Benz[a]anthracene - 56-55-3	0.1

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Naphthalene 91-20-3	100 lb	X	X	X
Pyrene 129-00-0	-	-	X	-
Benzo(b)fluoranthene 205-99-2	-	-	X	-
Phenanthrene 85-01-8	-	-	X	-
Benzo[a]pyrene 50-32-8	-	X	X	-
Benzo(k)fluoranthene 207-08-9	-	-	X	-
Chrysene 218-01-9	-	X	X	-
Benz[a]anthracene 56-55-3	-	-	X	-

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Coal tar 8007-45-2	1 lb	-
Naphthalene 91-20-3	100 lb	-
Pyrene 129-00-0	5000 lb	5000 lb
Benzo(b)fluoranthene 205-99-2	1 lb	-
Phenanthrene 85-01-8	5000 lb	-
Benzo[a]pyrene	1 lb	-

50-32-8		
Benzo(k)fluoranthene 207-08-9	5000 lb	-
Chrysene 218-01-9	100 lb	-
Benz[a]anthracene 56-55-3	10 lb	-

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:.

Chemical name	California Proposition 65
Coal tar - 8007-45-2	Carcinogen
Naphthalene - 91-20-3	Carcinogen
Benzo(b)fluoranthene - 205-99-2	Carcinogen
Benzo[a]pyrene - 50-32-8	Carcinogen
Benzo(k)fluoranthene - 207-08-9	Carcinogen
Chrysene - 218-01-9	Carcinogen
Benz[a]anthracene - 56-55-3	Carcinogen

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Coal tar 8007-45-2	X	X	X
Naphthalene 91-20-3	X	X	X
Fluoranthene 206-44-0	X	X	X
Pyrene 129-00-0	X	X	X
Benzo(b)fluoranthene 205-99-2	X	X	X
Phenanthrene 85-01-8	X	X	X
Benzo[a]pyrene 50-32-8	X	X	X
Benzo(k)fluoranthene 207-08-9	X	X	X
Chrysene 218-01-9	X	X	X
Benz[a]anthracene 56-55-3	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPA **Health hazards** 4 **Flammability** 0 **Instability** 0 **Special hazards** -

HMIS **Health hazards** 4 * **Flammability** 0 **Physical hazards** 0 **Personal protection** X

Chronic Hazard Star Legend * = Chronic Health Hazard

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

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End of Safety Data Sheet