SAFETY DATA SHEET

1. Identification

Material name: TREMFIX A.F. 5 US GL
Material: 350715 805

Recommended use and restriction on use

Recommended use: Coatings
Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco U.S. Roofing
3735 Green Road
Cleveland OH 44122
US

Contact person:	EH&S Department
Telephone:	216-292-5000
Emergency telephone number:	1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Skin sensitizer	Category 1
Germ Cell Mutagenicity	Category 1B
Carcinogenicity	Category 1A
Toxic to reproduction	Category 1B

Unknown toxicity - Health

Acute toxicity, oral	24.62 %
Acute toxicity, dermal	86.63 %
Acute toxicity, inhalation, vapor	99.12 %
Acute toxicity, inhalation, dust or mist	100 %

Environmental Hazards

Acute hazards to the aquatic environment	Category 1

Unknown toxicity - Environment

Acute hazards to the aquatic environment	93.32 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:

Signal Word: Danger

Hazard Statement: May cause an allergic skin reaction.
May cause genetic defects.
May cause cancer.
May damage fertility or the unborn child.
Very toxic to aquatic life.

Precautionary Statement:
Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. 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. Use personal protective equipment as required. Avoid release to the environment.

Response: IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. Specific treatment (see this label). Wash contaminated clothing before reuse. Collect spillage.

Storage: Store locked up.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification: None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Coal tar pitch	65996-93-2	60 - 100%
Magnesium aluminum silicate	12174-11-7	5 - 10%
Calcium Carbonate (Limestone)	1317-65-3	5 - 10%
Cellulose	9004-34-6	3 - 7%
Creosote	8001-58-9	1 - 5%
Phenanthrene	85-01-8	1 - 5%
Pyrene	129-00-0	1 - 5%
Naphthalene	91-20-3	0.5 - 1.5%
Clay	1332-58-7	0.5 - 1.5%
Indeno[1,2,3-cd]pyrene	193-39-5	0.5 - 1.5%
Benzo(a)anthracene	56-55-3	0.5 - 1.5%

Chrysene	218-01-9	0.1 - 1%
Benzo(a)pyrene	50-32-8	0.1 - 1%
Benzo(b)fluoranthene/benzo[e] acefenantrileno	205-99-2	0.1 - 1%
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion: Call a POISON CENTER/doctor/.../if you feel unwell. Rinse mouth.

Inhalation: Move to fresh air.

Skin Contact: If skin irritation occurs: Get medical advice/attention. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.

Eye contact: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.

Most important symptoms/effects, acute and delayed

Symptoms: May cause skin and eye irritation.

Indication of immediate medical attention and special treatment needed

Treatment: Symptoms may be delayed.

5. Fire-fighting measures

General Fire Hazards: No unusual fire or explosion hazards noted.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

Methods and material for containment and cleaning up: Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

Notification Procedures: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Environmental Precautions: Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.

7. Handling and storage

Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities: Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Coal tar pitch - Aerosol. - as benzene solubles	TWA	0.2 mg/m3	US. ACGIH Threshold Limit Values (2011)
Coal tar pitch	PEL	0.2 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Calcium Carbonate (Limestone) - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Calcium Carbonate (Limestone) - Respirable fraction.	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Cellulose	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (2011)
Cellulose - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Cellulose - Respirable fraction.	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Naphthalene	TWA	10 ppm	US. ACGIH Threshold Limit Values (2011)

	PEL	10 ppm 50 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Clay - Respirable fraction.	TWA	2 mg/m3	US. ACGIH Threshold Limit Values (2011)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Clay - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction.	TWA	0.025 mg/m3	US. ACGIH Threshold Limit Values (2011)
Crystalline Silica (Quartz)/ Silica Sand - Respirable.	TWA	2.4 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.1 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Crystalline Silica (Quartz)/ Silica Sand - Total dust.	TWA	0.3 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)

Chemical name	**type**	**Exposure Limit Values**	**Source**
Coal tar pitch - Aerosol. - as benzene solubles	TWA	0.2 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Coal tar pitch - Aerosol. - as benzene solubles	TWAEV	0.2 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Coal tar pitch - as benzene solubles	TWA	0.2 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Calcium Carbonate (Limestone) - Total dust.	STEL	20 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)

Calcium Carbonate (Limestone) - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Calcium Carbonate (Limestone) - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Cellulose - Respirable fraction.	TWA	3 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Cellulose - Total dust.	TWA	10 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Cellulose	TWAEV	10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Cellulose - Total dust.	TWA	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Naphthalene	STEL	15 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	TWA	10 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Naphthalene	TWAEV	10 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
	STEL	15 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Naphthalene	TWA	10 ppm 52 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
	STEL	15 ppm 79 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Benzo(a)pyrene	TWA	0.005 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction.	TWA	0.025 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Crystalline Silica (Quartz)/ Silica Sand - Respirable.	TWAEV	0.10 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Crystalline Silica (Quartz)/ Silica Sand - Respirable dust.	TWA	0.1 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)

Appropriate Engineering Controls Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.

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

Skin Protection

Hand Protection: Use suitable protective gloves if risk of skin contact.

Other: Wear suitable protective clothing. Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

Respiratory Protection: In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

Hygiene measures: Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin.

9. Physical and chemical properties

Appearance

Physical state: liquid
Form: liquid
Color: Black

Odor:	Aromatic
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	150 °C 302 °F
Flash Point:	No data available.
Evaporation rate:	Slower than Ether
Flammability (solid, gas):	No
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density:	1.26
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	Avoid heat or contamination.
Incompatible Materials:	Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure

Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.

Skin Contact:	May be harmful in contact with skin. Causes mild skin irritation. May cause an allergic skin reaction.
Eye contact:	Eye contact is possible and should be avoided.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product:	725.00 mg/kg ATEmix : 15,725.38 mg/kg

Dermal

Product:	ATEmix: 4,008.9 mg/kg

Inhalation

Product:	No data available.

Repeated dose toxicity

Product:	No data available.

Skin Corrosion/Irritation

Product:	No data available.

Serious Eye Damage/Eye Irritation

Product:	No data available.

Specified substance(s):

Coal tar pitch	in vivo (Rabbit, 1 hrs): Not irritating
Creosote	Highly irritating
Naphthalene	in vivo (Guinea pig, 1 - 3 d): Not irritating

Respiratory or Skin Sensitization

Product:	No data available.

Carcinogenicity

Product:	No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Coal tar pitch	Overall evaluation: Carcinogenic to humans.
Magnesium aluminum silicate	Overall evaluation: Possibly carcinogenic to humans. Overall evaluation: Not classifiable as to carcinogenicity to humans.
Creosote	Overall evaluation: Probably carcinogenic to humans.
Naphthalene	Overall evaluation: Possibly carcinogenic to humans.
Indeno[1,2,3-cd]pyrene	Overall evaluation: Possibly carcinogenic to humans.
Benzo(a)anthracene	Overall evaluation: Possibly carcinogenic to humans.
Chrysene	Overall evaluation: Possibly carcinogenic to humans.
Benzo(a)pyrene	Overall evaluation: Carcinogenic to humans.
Benzo(b)fluoranthene/benzo[e]acefenantrileno	Overall evaluation: Possibly carcinogenic to humans.
Crystalline Silica (Quartz)/ Silica Sand	Overall evaluation: Carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens:

Coal tar pitch	Known To Be Human Carcinogen.
Naphthalene	Reasonably Anticipated to be a Human Carcinogen.
Indeno[1,2,3-cd]pyrene	Reasonably Anticipated to be a Human Carcinogen.
Benzo(a)anthracene	Reasonably Anticipated to be a Human Carcinogen.
Benzo(a)pyrene	Reasonably Anticipated to be a Human Carcinogen.
Benzo(b)fluoranthene/benzo[e]acefenantrileno	Reasonably Anticipated to be a Human Carcinogen.
Crystalline Silica (Quartz)/ Silica Sand	Known To Be Human Carcinogen.

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

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro
Product: No data available.

In vivo
Product: No data available.

Reproductive toxicity
Product: May damage fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure
Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure
Product: No data available.

Aspiration Hazard
Product: No data available.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish
Product: No data available.

Specified substance(s):

Phenanthrene	LC 50 (Rainbow trout,donaldson trout (Oncorhynchus mykiss), 96 h): 3.2 mg/l Mortality
Pyrene	LC 50 (Rainbow trout,donaldson trout (Oncorhynchus mykiss), 96 h): > 2 mg/l Mortality
Naphthalene	LC 50 (Fathead minnow (Pimephales promelas), 96 h): 1.3 - 4.01 mg/l Mortality

Aquatic Invertebrates
Product: No data available.

Specified substance(s):

Phenanthrene	LC 50 (Water flea (Daphnia magna), 48 h): 0.59 - 0.84 mg/l Mortality
Pyrene	LC 50 (Water flea (Daphnia magna), 1 h): 0.004 mg/l Mortality LC 50 (Clam (Mulinia lateralis), 96 h): > 9.454 mg/l Mortality EC 50 (Water flea (Daphnia magna), 24 h): > 1.024 mg/l Intoxication
Naphthalene	LC 50 (Water flea (Daphnia magna), 24 h): 13.2 mg/l Mortality

	LC 50 (Shrimp (Macrobrachium kistnensis), 96 h): +/- +/- 2 mg/l Mortality LC 50 (Shrimp (Macrobrachium kistnensis), 48 h): +/- +/- 4 mg/l Mortality LC 50 (Dungeness or edible crab (Cancer magister), 96 h): > 2 mg/l Mortality LC 50 (Shrimp (Macrobrachium kistnensis), 72 h): > 2 - 4 mg/l Mortality
Benzo(a)anthracene	LC 50 (Water flea (Daphnia pulex), 96 h): 0.01 mg/l Mortality
Chrysene	LC 50 (Polychaete worm (Nereis arenaceodentata), 96 h): < 1 mg/l Mortality
Benzo(a)pyrene	EC 50 (Water flea (Daphnia magna), 24 h): 0.032 - 0.049 mg/l Intoxication LC 50 (Scud (Gammarus duebeni), 48 h): < 150 mg/l Mortality LC 50 (Polychaete worm (Nereis arenaceodentata), 96 h): < 1 mg/l Mortality
Benzo(b)fluoranthene/benzo[e]acefenantrileno	EC 50 (Water flea (Daphnia magna), 24 h): > 1.024 mg/l Intoxication

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Coal tar pitch	NOAEL (Danio rerio, 42 d): 4 µg/l interpreted
Naphthalene	NOAEL (Oncorhynchus kisutch, 40 d): +/- 0.37 mg/l experimental result

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

BOD/COD Ratio

Product: No data available.

Bioaccumulative Potential

Bioconcentration Factor (BCF)

Product: No data available.

Specified substance(s):

Phenanthrene	Water flea (Daphnia pulex), Bioconcentration Factor (BCF): 325 (Static)
Pyrene	Green algae (Selenastrum capricornutum), Bioconcentration Factor (BCF): 16,760 (Static)
Naphthalene	Water flea (Daphnia magna), Bioconcentration Factor (BCF): 58 (Static)

Benzo(a)anthracene	Water flea (Daphnia pulex), Bioconcentration Factor (BCF): 10,109 (Static)
Chrysene	Water flea (Daphnia magna), Bioconcentration Factor (BCF): 6,088.4 (Static)
Benzo(a)pyrene	Water flea (Daphnia pulex), Bioconcentration Factor (BCF): 2,720 (Static)
Benzo(b)fluoranthene/benzo[e]acefenantrileno	Mussel (Mytilus edulis planulatus), Bioconcentration Factor (BCF): 5,200,000 (Lentic - static water system without measurable flow rate (e.g. lake)) Bioconcentration factor calculated using dry weight tissue conc

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Specified substance(s):

Creosote	Log Kow: 1.0
Phenanthrene	Log Kow: 4.57
Pyrene	Log Kow: 4.88
Naphthalene	Log Kow: 3.30
Benzo(a)anthracene	Log Kow: 5.79
Chrysene	Log Kow: 5.73
Benzo(a)pyrene	Log Kow: 5.97
Benzo(b)fluoranthene/benzo[e]acefenantrileno	Log Kow: 6.60

Mobility in Soil: No data available.

Other Adverse Effects: Very toxic to aquatic organisms.

13. Disposal considerations

Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated Packaging: No data available.

14. Transport information

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Coal Tar), 9, PG III, MARINE POLLUTANT

Further Information:

The above shipping description may not be accurate for all container sizes and all modes of transportation. Please refer to Bill of Lading.

15. Regulatory information

US Federal Regulations

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

None present or none present in regulated quantities.

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

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity
Creosote	1 lbs.
Phenanthrene	5000 lbs.
Fluorathene	100 lbs.
Pyrene	5000 lbs.
Naphthalene	100 lbs.
Anthracene	5000 lbs.
Indeno[1,2,3-cd]pyrene	100 lbs.
Benzo(a)anthracene	10 lbs.
Chrysene	100 lbs.
Acenaphthene	100 lbs.
Dibenzofuran	100 lbs.
Benzo(a)pyrene	1 lbs.
Benzo(b)fluoranthene/benzo[e]acefenantrileno	1 lbs.
Biphenyl	100 lbs.
Dibenz(a,h)anthracene	1 lbs.
Acenaphthylene	5000 lbs.
Fluorene	5000 lbs.
Quinoline	5000 lbs.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards
Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

Chemical Identity	Reportable quantity	Threshold Planning Quantity
Pyrene	5000 lbs.	- -- -

SARA 304 Emergency Release Notification

Chemical Identity	Reportable quantity
Creosote	1 lbs.
Phenanthrene	5000 lbs.
Fluorathene	100 lbs.
Pyrene	5000 lbs.
Naphthalene	100 lbs.
Anthracene	5000 lbs.
Indeno[1,2,3-cd]pyrene	100 lbs.
Benzo(a)anthracene	10 lbs.
Chrysene	100 lbs.
Acenaphthene	100 lbs.
Dibenzofuran	100 lbs.
Benzo(a)pyrene	1 lbs.
Benzo(b)fluoranthene/benzo[e]acefenantrileno	1 lbs.
Biphenyl	100 lbs.
Dibenz(a,h)anthracene	1 lbs.
Acenaphthylene	5000 lbs.
Fluorene	5000 lbs.
Quinoline	5000 lbs.

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Pyrene	500lbs
Coal tar pitch	500 lbs
Magnesium aluminum silicate	500 lbs
Calcium Carbonate (Limestone)	500 lbs
Cellulose	500 lbs
Creosote	500 lbs
Phenanthrene	500 lbs
Naphthalene	500 lbs
Clay	500 lbs
Indeno[1,2,3-cd]pyrene	500 lbs
Benzo(a)anthracene	500 lbs
Chrysene	500 lbs
Benzo(a)pyrene	500 lbs
Benzo(b)fluoranthene/benzo[e]acefenantrileno	500 lbs
Crystalline Silica (Quartz)/ Silica Sand	500 lbs

SARA 313 (TRI Reporting)

Chemical Identity
Creosote
Phenanthrene
Fluorathene
Naphthalene
Indeno[1,2,3-cd]pyrene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene/benzo[e]acefenantrileno

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65
This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

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

Chemical Identity
Coal tar pitch
Calcium Carbonate (Limestone)
Cellulose
Creosote
Phenanthrene
Fluorathene
Pyrene

US. Massachusetts RTK - Substance List

Chemical Identity
Coal tar pitch
Calcium Carbonate (Limestone)
Cellulose
Creosote
Phenanthrene
Fluorathene
Pyrene
Indeno[1,2,3-cd]pyrene
Benzo(a)anthracene
Chrysene
Benzo(a)pyrene
Benzo(b)fluoranthene/benzo[e]acefenantrileno
Crystalline Silica (Quartz)/ Silica Sand
Dibenz(a,h)anthracene

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity
Coal tar pitch
Calcium Carbonate (Limestone)
Cellulose
Creosote
Phenanthrene
Fluorathene
Pyrene
Indeno[1,2,3-cd]pyrene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene/benzo[e]acefenantrileno

US. Rhode Island RTK

Chemical Identity
Creosote
Phenanthrene
Fluorathene
Pyrene

Other Regulations:

Regulatory VOC (less water and exempt solvent):	299 g/l
VOC Method 310:	24.00 %

Inventory Status:

Australia AICS:	One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:	One or more components in this product are not listed on or exempt from the Inventory.
EINECS, ELINCS or NLP:	One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:	One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:	One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
US TSCA Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.

16.Other information, including date of preparation or last revision

Revision Date:	08/13/2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.