CHASE Construction Products

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SAFETY DATA SHEET

1. Identification

Product identifier **Tapecoat 20**

Other means of identification

Synonyms TC20

Recommended use Not available.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Chase Corporation - Tapecoat Division

Address 1527 Lyons Street
Evanston, IL 60201
United States

Telephone General Assistance 800 543-3458

E-mail info@chasecorp.com

Emergency phone number Chemtrec (US - 24 hrs) 800 424-9300
Chemtrec (INTL - 24 hrs) 703-527-3887

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards

Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Reproductive toxicity	Category 1B

Environmental hazards

Hazardous to the aquatic environment, acute hazard	Category 1
Hazardous to the aquatic environment, long-term hazard	Category 1

OSHA defined hazards Not classified.

Label elements

Signal word Danger

Hazard statement May cause genetic defects. May cause cancer. May damage fertility or the unborn child. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Precautionary statement

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.

Response If exposed or concerned: Get medical advice/attention. Collect spillage.

Storage Store locked up.

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

Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	61% of the mixture consists of component(s) of unknown acute oral toxicity. 61% of the mixture consists of component(s) of unknown acute dermal toxicity.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Pitch, Coal Tar, High-temp.		65996-93-2	60 - < 70
Other components below reportable levels			30 - < 40

Constituents

Chemical name	Common name and synonyms	CAS number	%
Fluoranthene		206-44-0	2 - 2.75
Phenanthrene		85-01-8	1.8 - 2.5
Pyrene		129-00-0	1.5 - 2
1,2-benzanthracene		56-55-3	0.7 - 1
1,2-benzphenanthrene		218-01-9	0.7 - 1
Benzo(a) Pyrene		50-32-8	0.7 - 1
Benzo[ghi]perylene		191-24-2	0.5 - 1
Benzo (b) Fluoranthene		205-99-2	0.5 - 0.7
Indeno[1,2,3-cd]pyrene		193-39-5	0.5 - 0.7
Dibenzo(a,h)pyrene		189-64-0	0.4 - 0.6
Benzo[j]fluoranthene		205-82-3	0.4 - 0.5
Benzo[k]fluoranthene		207-08-9	0.4 - 0.5
Carbazole		86-74-8	0.3 - 0.4
Acenaphthene		83-32-9	0.2 - 0.3
Dibenzo(a,e)pyrene		192-65-4	0.15 - 0.25
Dibenz[a,h]anthracene		53-70-3	0.15 - 0.15
Dibenzo[a,i]pyrene		189-55-9	0.15 - 0.15
Naphthalene		91-20-3	0.02 - 0.15

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Composition comments	Occupational Exposure Limits for constituents are listed in Section 8.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media	Foam. Dry powder. Carbon dioxide (CO2).
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	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Use water spray to cool unopened containers.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. Following product recovery, flush area with water. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

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

Material	Type	Value
Tapecoat 20	PEL	0.2 mg/m3
Components	**Type**	**Value**
Pitch, Coal Tar, High-temp. (CAS 65996-93-2)	PEL	0.2 mg/m3
Constituents	**Type**	**Value**
Naphthalene (CAS 91-20-3)	PEL	50 mg/m3 10 ppm

US. ACGIH Threshold Limit Values

Material	Type	Value	Form
Tapecoat 20	TWA	0.2 mg/m3	Aerosol.
Components	**Type**	**Value**	**Form**
Pitch, Coal Tar, High-temp. (CAS 65996-93-2)	TWA	0.2 mg/m3	Aerosol.
Constituents	**Type**	**Value**	
Naphthalene (CAS 91-20-3)	TWA	10 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards

Material	Type	Value	Form
Tapecoat 20	TWA	0.1 mg/m3	Cyclohexane-extractable fraction.
Components	**Type**	**Value**	**Form**
Pitch, Coal Tar, High-temp. (CAS 65996-93-2)	TWA	0.1 mg/m3	Cyclohexane-extractable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Constituents	Type	Value
Naphthalene (CAS 91-20-3)	STEL	75 mg/m3
		15 ppm
	TWA	50 mg/m3
		10 ppm

Biological limit values

ACGIH Biological Exposure Indices

Constituents	Value	Determinant	Specimen	Sampling Time
1,2-benzanthracene (CAS 56-55-3)	2.5 µg/l	1-Hydroxypyrene, with hydrolysis (1-HP)	Urine	*
1,2-benzphenanthrene (CAS 218-01-9)	2.5 µg/l	1-Hydroxypyrene, with hydrolysis (1-HP)	Urine	*
Benzo(a) Pyrene (CAS 50-32-8)	2.5 µg/l	1-Hydroxypyrene, with hydrolysis (1-HP)	Urine	*
Benzo[ghi]perylene (CAS 191-24-2)	2.5 µg/l	1-Hydroxypyrene, with hydrolysis (1-HP)	Urine	*
Pyrene (CAS 129-00-0)	2.5 µg/l	1-Hydroxypyrene, with hydrolysis (1-HP)	Urine	*
Phenanthrene (CAS 85-01-8)	2.5 µg/l	1-Hydroxypyrene, with hydrolysis (1-HP)	Urine	*
Fluoranthene (CAS 206-44-0)	2.5 µg/l	1-Hydroxypyrene, with hydrolysis (1-HP)	Urine	*
Dibenz[a,h]anthracene (CAS 53-70-3)	2.5 µg/l	1-Hydroxypyrene, with hydrolysis (1-HP)	Urine	*
Dibenzo[a,i]pyrene (CAS 189-55-9)	2.5 µg/l	1-Hydroxypyrene, with hydrolysis (1-HP)	Urine	*
Dibenzo(a,e)pyrene (CAS 192-65-4)	2.5 µg/l	1-Hydroxypyrene, with hydrolysis (1-HP)	Urine	*
Acenaphthene (CAS 83-32-9)	2.5 µg/l	1-Hydroxypyrene, with hydrolysis (1-HP)	Urine	*
Benzo[j]fluoranthene (CAS 205-82-3)	2.5 µg/l	1-Hydroxypyrene, with hydrolysis (1-HP)	Urine	*
Benzo[k]fluoranthene (CAS 207-08-9)	2.5 µg/l	1-Hydroxypyrene, with hydrolysis (1-HP)	Urine	*

ACGIH Biological Exposure Indices

Constituents	Value	Determinant	Specimen	Sampling Time
Dibenzo(a,h)pyrene (CAS 189-64-0)	2.5 µg/l	1-Hydroxypyrene, with hydrolysis (1-HP)	Urine	*
Benzo (b) Fluoranthene (CAS 205-99-2)	2.5 µg/l	1-Hydroxypyrene, with hydrolysis (1-HP)	Urine	*
Indeno[1,2,3-cd]pyrene (CAS 193-39-5)	2.5 µg/l	1-Hydroxypyrene, with hydrolysis (1-HP)	Urine	*

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

Exposure guidelines

US - California OELs: Skin designation

Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

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

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Solid.

Form Solid. Roll.

Color Black

Odor Aromatic

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point > 374.0 °F (> 190.0 °C) Cleveland Open Cup

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	0.00001 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	> 752 °F (> 400 °C)
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	1.35 g/cm3
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Specific gravity	1.35

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity Not known.

Toxicological data

Constituents	Species	Test Results
Naphthalene (CAS 91-20-3)		
Acute		
Dermal		
LD50	Rabbit	> 2 g/kg
Carbazole (CAS 86-74-8)		
Acute		
Oral		
LD50	Rat	> 5000 mg/kg

Constituents	Species	Test Results
Benzo(a) Pyrene (CAS 50-32-8)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg
Oral		
LD50	Rat	725 mg/kg
Phenanthrene (CAS 85-01-8)		
Acute		
Oral		
LD50	Mouse	700 mg/kg
Fluoranthene (CAS 206-44-0)		
Acute		
Dermal		
LD50	Rabbit	3180 mg/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity May cause genetic defects.

Carcinogenicity May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

1,2-benzanthracene (CAS 56-55-3)	2B Possibly carcinogenic to humans.
1,2-benzphenanthrene (CAS 218-01-9)	2B Possibly carcinogenic to humans.
Acenaphthene (CAS 83-32-9)	3 Not classifiable as to carcinogenicity to humans.
Benzo (b) Fluoranthene (CAS 205-99-2)	2B Possibly carcinogenic to humans.
Benzo(a) Pyrene (CAS 50-32-8)	1 Carcinogenic to humans.
Benzo[ghi]perylene (CAS 191-24-2)	3 Not classifiable as to carcinogenicity to humans.
Benzo[j]fluoranthene (CAS 205-82-3)	2B Possibly carcinogenic to humans.
Benzo[k]fluoranthene (CAS 207-08-9)	2B Possibly carcinogenic to humans.
Carbazole (CAS 86-74-8)	2B Possibly carcinogenic to humans.
Dibenz[a,h]anthracene (CAS 53-70-3)	2A Probably carcinogenic to humans.
Dibenzo(a,e)pyrene (CAS 192-65-4)	3 Not classifiable as to carcinogenicity to humans.
Dibenzo(a,h)pyrene (CAS 189-64-0)	2B Possibly carcinogenic to humans.
Dibenzo[a,i]pyrene (CAS 189-55-9)	2B Possibly carcinogenic to humans.
Fluoranthene (CAS 206-44-0)	3 Not classifiable as to carcinogenicity to humans.
Indeno[1,2,3-cd]pyrene (CAS 193-39-5)	2B Possibly carcinogenic to humans.
Naphthalene (CAS 91-20-3)	2B Possibly carcinogenic to humans.
Phenanthrene (CAS 85-01-8)	3 Not classifiable as to carcinogenicity to humans.
Pitch, Coal Tar, High-temp. (CAS 65996-93-2)	1 Carcinogenic to humans.
Pyrene (CAS 129-00-0)	3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

1,2-benzanthracene (CAS 56-55-3)	Reasonably Anticipated to be a Human Carcinogen.
Benzo (b) Fluoranthene (CAS 205-99-2)	Reasonably Anticipated to be a Human Carcinogen.
Benzo(a) Pyrene (CAS 50-32-8)	Reasonably Anticipated to be a Human Carcinogen.
Benzo[j]fluoranthene (CAS 205-82-3)	Reasonably Anticipated to be a Human Carcinogen.
Benzo[k]fluoranthene (CAS 207-08-9)	Reasonably Anticipated to be a Human Carcinogen.
Dibenz[a,h]anthracene (CAS 53-70-3)	Reasonably Anticipated to be a Human Carcinogen.
Dibenzo(a,e)pyrene (CAS 192-65-4)	Reasonably Anticipated to be a Human Carcinogen.
Dibenzo(a,h)pyrene (CAS 189-64-0)	Reasonably Anticipated to be a Human Carcinogen.
Dibenzo[a,i]pyrene (CAS 189-55-9)	Reasonably Anticipated to be a Human Carcinogen.
Indeno[1,2,3-cd]pyrene (CAS 193-39-5)	Reasonably Anticipated to be a Human Carcinogen.
Naphthalene (CAS 91-20-3)	Reasonably Anticipated to be a Human Carcinogen.
Pitch, Coal Tar, High-temp. (CAS 65996-93-2)	Known To Be Human Carcinogen.

Reproductive toxicity May damage fertility or the unborn child.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Constituents		Species	Test Results
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)	1.11 - 1.68 mg/l, 96 hours
Acenaphthene (CAS 83-32-9)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1.102 - 1.475 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	0.52 - 0.71 mg/l, 96 hours
Carbazole (CAS 86-74-8)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	2.3 - 4.88 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	0.93 mg/l, 96 hours
Pyrene (CAS 129-00-0)			
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	> 2 mg/l, 96 hours
Phenanthrene (CAS 85-01-8)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.185 - 0.243 mg/l, 48 hours
Fish	LC50	Sheepshead minnow (Cyprinodon variegatus)	0.438 - 0.523 mg/l, 96 hours
Fluoranthene (CAS 206-44-0)			
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	0.0054 - 0.0085 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

US RCRA Hazardous Waste U List: Reference

1,2-benzanthracene (CAS 56-55-3)	U018
1,2-benzphenanthrene (CAS 218-01-9)	U050
Benzo(a) Pyrene (CAS 50-32-8)	U022
Dibenz[a,h]anthracene (CAS 53-70-3)	U063

Dibenzo[a,i]pyrene (CAS 189-55-9)	U064
Fluoranthene (CAS 206-44-0)	U120
Indeno[1,2,3-cd]pyrene (CAS 193-39-5)	U137
Naphthalene (CAS 91-20-3)	U165

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

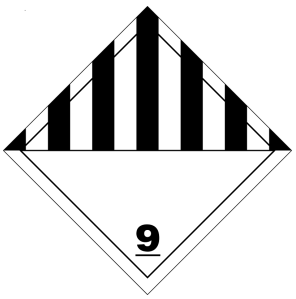
UN number	UN3077
UN proper shipping name	Environmentally hazardous substance, solid, n.o.s.
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III
Environmental hazards	Yes
ERG Code	9L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.

IMDG

UN number	UN3077
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., MARINE POLLUTANT
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III
Environmental hazards	
Marine pollutant	Yes
EmS	F-A, S-F
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.

IATA; IMDG



Marine pollutant

General information IMDG Regulated Marine Pollutant.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

1,2-benzanthracene (CAS 56-55-3)	Listed.
1,2-benzphenanthrene (CAS 218-01-9)	Listed.
Acenaphthene (CAS 83-32-9)	Listed.
Benzo (b) Fluoranthene (CAS 205-99-2)	Listed.
Benzo(a) Pyrene (CAS 50-32-8)	Listed.
Benzo[ghi]perylene (CAS 191-24-2)	Listed.
Benzo[k]fluoranthene (CAS 207-08-9)	Listed.
Dibenz[a,h]anthracene (CAS 53-70-3)	Listed.
Dibenzo[a,i]pyrene (CAS 189-55-9)	Listed.
Fluoranthene (CAS 206-44-0)	Listed.
Indeno[1,2,3-cd]pyrene (CAS 193-39-5)	Listed.
Naphthalene (CAS 91-20-3)	Listed.
Phenanthrene (CAS 85-01-8)	Listed.
Pyrene (CAS 129-00-0)	Listed.

SARA 304 Emergency release notification

Pyrene (CAS 129-00-0)	5000 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Chemical name	CAS number	Reportable quantity (pounds)	Threshold planning quantity (pounds)	Threshold planning quantity, lower value (pounds)	Threshold planning quantity, upper value (pounds)
Pyrene	129-00-0	5000		1000	10000

SARA 311/312 Hazardous chemical Yes

Classified hazard categories
Serious eye damage or eye irritation
Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
1,2-benzanthracene	56-55-3	0.7 - 1
1,2-benzphenanthrene	218-01-9	0.7 - 1
Benzo (b) Fluoranthene	205-99-2	0.5 - 0.7
Benzo(a) Pyrene	50-32-8	0.7 - 1
Benzo[ghi]perylene	191-24-2	0.5 - 1
Benzo[j]fluoranthene	205-82-3	0.4 - 0.5
Benzo[k]fluoranthene	207-08-9	0.4 - 0.5
Dibenz[a,h]anthracene	53-70-3	0.15 - 0.15
Dibenzo(a,e)pyrene	192-65-4	0.15 - 0.25

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Dibenzo(a,h)pyrene	189-64-0	0.4 - 0.6
Dibenzo[a,i]pyrene	189-55-9	0.15 - 0.15
Fluoranthene	206-44-0	2 - 2.75
Indeno[1,2,3-cd]pyrene	193-39-5	0.5 - 0.7
Naphthalene	91-20-3	0.02 - 0.15
Phenanthrene	85-01-8	1.8 - 2.5

Other federal regulations

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

1,2-benzanthracene (CAS 56-55-3)
1,2-benzphenanthrene (CAS 218-01-9)
Acenaphthene (CAS 83-32-9)
Benzo (b) Fluoranthene (CAS 205-99-2)
Benzo(a) Pyrene (CAS 50-32-8)
Benzo[ghi]perylene (CAS 191-24-2)
Benzo[j]fluoranthene (CAS 205-82-3)
Benzo[k]fluoranthene (CAS 207-08-9)
Dibenz[a,h]anthracene (CAS 53-70-3)
Dibenzo(a,e)pyrene (CAS 192-65-4)
Dibenzo(a,h)pyrene (CAS 189-64-0)
Dibenzo[a,i]pyrene (CAS 189-55-9)
Fluoranthene (CAS 206-44-0)
Indeno[1,2,3-cd]pyrene (CAS 193-39-5)
Naphthalene (CAS 91-20-3)
Phenanthrene (CAS 85-01-8)
Pyrene (CAS 129-00-0)

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

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

California Proposition 65

WARNING: This product can expose you to chemicals including 1,2-benzanthracene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

1,2-benzanthracene (CAS 56-55-3)	Listed: July 1, 1987
1,2-benzphenanthrene (CAS 218-01-9)	Listed: January 1, 1990
Benzo (b) Fluoranthene (CAS 205-99-2)	Listed: July 1, 1987
Benzo(a) Pyrene (CAS 50-32-8)	Listed: July 1, 1987
Benzo[j]fluoranthene (CAS 205-82-3)	Listed: July 1, 1987
Benzo[k]fluoranthene (CAS 207-08-9)	Listed: July 1, 1987
Carbazole (CAS 86-74-8)	Listed: May 1, 1996
Dibenz[a,h]anthracene (CAS 53-70-3)	Listed: January 1, 1988
Dibenzo(a,e)pyrene (CAS 192-65-4)	Listed: January 1, 1988
Dibenzo(a,h)pyrene (CAS 189-64-0)	Listed: January 1, 1988
Dibenzo[a,i]pyrene (CAS 189-55-9)	Listed: January 1, 1988
Indeno[1,2,3-cd]pyrene (CAS 193-39-5)	Listed: January 1, 1988
Naphthalene (CAS 91-20-3)	Listed: April 19, 2002

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

1,2-benzanthracene (CAS 56-55-3)
1,2-benzphenanthrene (CAS 218-01-9)
Acenaphthene (CAS 83-32-9)
Benzo (b) Fluoranthene (CAS 205-99-2)
Benzo(a) Pyrene (CAS 50-32-8)
Benzo[ghi]perylene (CAS 191-24-2)
Benzo[j]fluoranthene (CAS 205-82-3)
Benzo[k]fluoranthene (CAS 207-08-9)
Carbazole (CAS 86-74-8)
Dibenz[a,h]anthracene (CAS 53-70-3)

Dibenzo(a,e)pyrene (CAS 192-65-4)
Dibenzo(a,h)pyrene (CAS 189-64-0)
Dibenzo[a,i]pyrene (CAS 189-55-9)
Fluoranthene (CAS 206-44-0)
Indeno[1,2,3-cd]pyrene (CAS 193-39-5)
Naphthalene (CAS 91-20-3)
Phenanthrene (CAS 85-01-8)
Pitch, Coal Tar, High-temp. (CAS 65996-93-2)
Pyrene (CAS 129-00-0)

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)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply 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).

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

Issue date 05-06-2015

Revision date 01-25-2019

Version # 03

HMIS® ratings Health: 2*
Flammability: 0
Physical hazard: 0

NFPA ratings Health: 2
Flammability: 0
Instability: 0

Disclaimer The information offered in this data sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however, no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. This material is intended for industrial use only. No warranty, expressed or implied is made.

Revision information Accidental release measures: Methods and materials for containment and cleaning up
Transport Information: Material Transportation Information
Transport information: General information