

# Material Safety Data Sheet



## Martrex, Inc.

### Section 1: Chemical Product and Company Information

**Product name:** Asphaltene Pitch

**Supplier/ Further Information:** Martrex, Inc.

**Web:** [www.martrexinc.com](http://www.martrexinc.com)

1107 Hazeltine Blvd,

**Phone:** 952/933-5000

Suite 535 MD 27,

**Toll Free:** 800/328-3627

Chaska, Minnesota 55318

**FAX:** 952/933-1889

**EPA Registration Number:** n/a

**CAS#:** 64742-16-1

**Chemical Name:** Petroleum Asphalt

**Synonyms:** Petroleum Pitch, Asphaltene Pitch, Asphalt

**Chemical Family:** Petroleum Hydrocarbon

**MSDS Number:** n/a

**24 Hour Emergency Phone - Chemtrec Transport: 1-800-424-9300; Medical: 1-800-441-3637**

### Section 2: Composition/Information on Ingredients

Hazardous Component	CAS#	%	OSHA PEL	OSHA STEL	OSHA CEIL
Petroleum Asphalt	64742-16-1	100%	5 mg/m <sup>3</sup>	n/a	n/a
	OTHER LIMITS	RTECS#	ACGIH TLV	ACGIH STEL	ACGIH CEIL
	n/a	n/a	5 mg/m <sup>3</sup>	n/a	n/a
Non-Hazardous Component	CAS#	%			
none					

### Section 3: Hazards Identification

**Emergency Overview:** CAN CAUSE RESPIRATORY, EYE, OR SKIN IRRITATION. CAN CAUSE THERMAL BURN. Avoid breathing dust or fumes. Use ventilation adequate to keep dust or fumes below recommended exposure limits. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling..

**NFPA:** Health: 0 Fire: 1 Instability: 0

**HEALTH:**

**Primary Routes of Exposure / Entry:** Skin, Inhalation

**Acute Exposure Symptoms**

**Inhalation:** Dust / fumes may cause headache, nasal and respiratory irritation, nausea, and drowsiness.

**Eye Contact:** Irritation. Hot material can cause thermal burn.

**Skin Contact:** Irritation. Hot material can cause thermal burn.

**Ingestion:** Irritation. Hot material may cause thermal burn

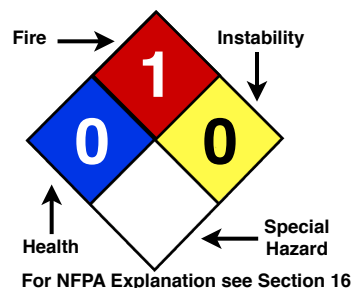
**Chronic Exposure Symptoms**

**Inhalation:** Dust / fumes may cause respiratory irritation.

**Eye Contact:** Redness, thermal burn

**Skin Contact:** Drying, cracking, redness, itching, burning, or inflammation of skin (Dermatitis).

**Aggravated Medical Conditions:** Pre-existing dermatitis and respiratory condition.



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1-800-441-3637 Medical**

**Section 4: First Aid Measures**

**Inhalation:** Remove exposed person to fresh air. If breathing has stopped, perform artificial respiration. Get medical attention promptly.

**Eye Exposure:** Immediately flush eyes for a minimum of 15 minutes, occasionally lifting the lower and upper lids. Get medical attention promptly.

**Skin Exposure:** Immediately remove soiled clothing and wash skin with soap and water. Launder clothing before wearing again. Get medical attention promptly if irritation or burn occurs.

**Ingestion:** Drying, cracking, redness, itching, burning, or inflammation of skin (Dermatitis). Pre-existing dermatitis and respiratory condition.

**Note to Physician:** n/a

**Section 5: Fire Fighting Measures**

**Flash Point:** >550°F /

**COC Auto-ignition:** 905°F

**Lower explosion limit:** n/a

**Upper explosion limit:** n/a

**Extinguishing Media:** Use dry chemical or carbon dioxide as extinguishing media. Water or foam may cause frothing. Use water to keep fire exposed containers cool.

**Personal Protective Equipment:** Self-contained breathing apparatus with positive pressure; other protective equipment is necessary, if entering enclosed or confined space.

**Unusual Fire and Explosive Hazards:** When strong oxidizers are present (NFPA Class III B Combustible). Material is incompatible with strong acids and caustics; strong oxidizers enhance fire hazard.

**Special Procedures:** Do not enter enclosed or confined space without a self-contained breathing apparatus and other protective equipment.

**Hazardous Decomposition Materials (under fire conditions):** Products of combustion may contain carbon dioxide, carbon monoxide, and various hydrocarbon compounds.

**Section 6: Accidental Release Measures**

**Evacuation procedures and Safety:** .

**Containment of Spill:** SMALL SPILLS: Place into containers for later disposal. LARGE SPILLS: If liquid, contain spill immediately in smallest possible area (ex. earthen dikes). Control ignition sources around spill area. Nonrecoverable product, contaminated soil, debris and other materials should be placed in proper containers for ultimate disposal. Avoid washing, draining or directing materials to sanitary sewers

**Cleanup and Disposal of Spill:** Recycle as much of the recoverable product as possible. It is the responsibility of the user to determine if the material is a hazardous waste at the time of disposal. Treatment, storage, transportation and disposal must be in accordance with applicable federal, state, and local regulations..

**Environmental and Regulatory Reporting:** Cleanup, Dispose and report in accordance with all applicable local, state, and federal environmental regulations.

**Section 7: Handling and Storage**

**Minimum/maximum Storage Temperature:** n/a

**Handling:** While loading, unloading, tank gauging, etc., remain upwind. Request assistance of safety and industrial hygiene personnel to determine air concentrations.

**Storage:** Keep container tightly closed and away from ignition sources and strong oxidizers (NFPA Class III B Combustible). Do not store with strong oxidizers. Store in accordance with all applicable local, state and federal environmental regulations.

**Section 8: Exposure Controls / Personal Protection**

**Ventilation Protection:** Use sufficient ventilation to maintain air concentrations below regulatory limits. Select appropriate NIOSH approved respiratory protection where necessary (determined by potential exposure and published respiratory protection factors). For unknown concentration or fire fighting use self-contained breathing apparatus with positive pressure.

**Respiratory Protection (specify type):** Select appropriate NIOSH approved respiratory protection where necessary (determined by potential exposure and published respiratory protection factors). For unknown concentration or fire fighting use self-contained breathing apparatus with positive pressure.

**Eye Protection:** Safety glasses, chemical goggles or face shield as appropriate.

**Skin Protection:** Gloves, long-sleeved shirt, and cuff-less trousers to protect from heated asphalt

**Other Protective Clothing and Equipment:**

Wear clean body-covering clothing

**Hygienic Work Practices:** Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Keep container closed when not in use. Use with adequate ventilation. Keep product out of light. Keep away from incompatibles. Wash thoroughly after handling. Request assistance of safety and industrial hygiene personnel to determine air concentrations.

**Section 9: Physical and Chemical Properties**

**Chemical Name:** Petroleum Asphalt

**Color and Appearance:** Black Beads

**Odor:** Slight asphalt smell

**pH:** n/a

**Specific Gravity:** (60/60F; H<sub>2</sub>O=1): 1-1.25

**Vapor Density:** (Air=1): n/a

**Vapor Pressure, Reid (100F):** Nil

**Volatiles by Volume:** <1%

**Boiling Point:** >1200°F

**Softening Point, C(F):** 200-400°F

**Melting Point:** n/a

**Evaporation Rate:** (Butyl Acetate=1): n/a

**Solubility in water (% by weight):** Negligible

**Chemical Formula:** n/a

**Formula Wt:** n/a

**Section 10: Stability and Reactivity**

**Chemical Stability:** Stable X Unstable \_\_\_\_\_

**Hazardous Polymerization:** May Occur \_\_\_\_\_  
Will Not Occur X

**Conditions to Avoid:** Keep container tightly closed and away from ignition sources and strong oxidizers (NFPA Class III B Combustible). Do not store with strong oxidizers. Store in accordance with all applicable local, state and federal environmental regulations.

**Chemical Incompatibility:** Avoid and strong acids and oxidizers.

**Hazardous Decomposition Products:** Products of combustion may contain carbon dioxide, carbon monoxide, and various hydrocarbon compounds.

**Section 11: Toxicological Information****Acute Data**

Eye Irritation: n/a  
Skin Irritation: n/a  
Oral LD<sub>50</sub>: n/a  
Dermal LD<sub>50</sub>: n/a  
Inhalation LC<sub>50</sub>: n/a  
Skin Sensitization: n/a

**Chronic Data**

Chronic Toxicity Studies: n/a  
Mutagenicity Data: n/a  
Reproductive and Teratological Data: n/a  
Carcinogenicity Data:  
NTP: No OSHA: No IARC Monograph: No Not Listed:

**Section 12: Ecological Information**

Eco-acute Toxicity: n/a  
Environmental Fate: n/a

**Section 13: Disposal Considerations**

**Disposal Procedures:** Recycle as much of the recoverable product as possible. It is the responsibility of the user to determine if the material is a hazardous waste at the time of disposal. Treatment, storage, transportation and disposal must be in accordance with applicable federal, state, and local regulations.

**Section 14: Transport Information**

**Domestic (D.O.T.): Proper Shipping Name:** Chemicals, n.o.s. (Non-regulated)  
**International (T.M.O.): Proper Shipping Name:** Chemicals, n.o.s. (Non-regulated)  
**AIR (I.C.A.O.): Proper Shipping Name:** Chemicals, n.o.s. (Non-regulated)  
**Hazard Identification Number:** Not Applicable  
**Placard:** Not Applicable  
**UN number:** n/a  
**Special Information:** n/a  
**Packing Group:** n/a

**Section 15: Regulatory Information****Workplace Classifications****SARA Title 3****Section 313 Toxic Chemicals:**

S<sub>3</sub>Sb<sub>2</sub>: No  
Na<sub>2</sub>SO<sub>4</sub>: Yes, contains Sodium Sulfate  
Generic class removed from CFR 7-9-91.

**Section 311 Hazard Categories**

**Sudden Pressure Release:** No  
**Fire Hazard:** No  
**Acute (Immediate Health Hazard):** Yes  
**Chronic (Delayed Health Hazard):** Yes

**Section 304 - Extremely Hazardous Substances:** Not Applicable

**TOXIC SUBSTANCES CONTROL ACT (TSCA), 40 CFR 710:** This material is listed on the TSCA inventory of chemical substances.

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**RESOURCE CONSERVATION AND RECOVERY ACT(RCRA), 40 CFR 261:** This material is not listed but may be subject to characteristic testing if discarded or spilled. If it tests hazardous, 40 CFR 262-266 and 268 may apply.

**CLEAN WATER ACT(CWA), Section 311(b)(4):** The discharges of crude oil and petroleum products that may cause a film or sheen upon or discoloration of the water surface or adjoining shoreline must be immediately reported to the National Response Center (1-800-424-8802).

**Comprehensive. Environmental Response, Compensation & Liability Act (CERCLA), SECTION 102: Hazardous Substances:** Petroleum and petroleum fractions are currently excluded from the list of CERCLA hazardous substances by Section 101 (14).

### Section 16: Other Information

**MSDS Issue Date:** 02-20-09

**Revised Date:** n/a

**Supersedes:** n/a

**Disclaimer:** The information published in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and assume no liability resulting from its use. We reserve the right to revise Material Safety Data Sheets periodically as new information becomes available.