



Hummel Croton Inc.
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MSDS



In case of Emergency Call Chemtrec®
(U.S.) (800)-424-9300
(International) (703)-527-3887

Asphaltum

Section I. Chemical Product and Company Identification

Supplier:

Hummel Croton Inc.
10 Harmich Road
South Plainfield, NJ 07080
(908)-754-1800

Chemical Name: Asphaltum

Synonym: Uintahite, uintaite

CAS Number: 12002-13-6

Chemical Formula: Not Applicable

HMIS Rating

Health 1

Flammability 1

Reactivity 0

Personal Protection J

Section II. Composition and Information on Ingredients

Material	CAS#	%	OSHA	ACGIH
Asphaltum	12002-13-6	100%	5mg/m ³ *	5mg/m ³ *

* Exposure guidelines for respirable dust

Section III Hazards Identification:

Acute Health Effects: Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.

Chronic Health Effects: This product has no known chronic effects. Repeated or prolonged exposure to this compound is not known to aggravate medical conditions.

Acute Health Effects: This product is not listed by NTP, IARC or regulated as a Carcinogen by OSHA.

Section IV. First Aid Measures

First Aid For Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

First Aid For Skin: In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.

First Aid For Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

First Aid For Ingestion: If swallowed, call a physician immediately.

Section V. Fire and Explosion Data

Flammability: Non-Flammable

Flash Points: Not Applicable

Auto-Ignition: Not Applicable

Flammable Limits: Not Applicable

Extinguishing Media: Water spray, Carbon Dioxide, Dry Chemical, Foam

Fire Fighting Procedure: Minimize breathing vapors, gases or fumes of decomposition products. Do not enter any enclosed or confined fire space without proper protective equipment including self-contained breathing apparatus.

Fire/Explosion Hazards: Dust explosive limits 20 oz./1000 ft³ (20 gm/m³)

Section VI. Accidental Release Measures

Spill Or Leak Procedures: Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water. Collect wash water for approved disposal. Keep from entering water or ground water

Section VII. Handling and Storage

Storage Temperatures: Store at ambient temperature

Shelf Life: Unlimited in tightly closed container.

Special Sensitivity: None

Handling/Storage Precautions: Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials (see Section X). Reseal containers immediately after use. Store away from food and beverages.

Section VIII. Exposure Controls/Personal Protection

Eye Protection: Safety glasses or goggles.

Skin Protection: PVC gloves with impervious boots, apron or coveralls. Employees should wash their hands and face before eating, drinking or using tobacco products.

Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.

Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.

Additional Protective Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of hazardous chemicals.

Section IX. Physical and Chemical Properties

Physical Form: Solid Powder

Color: Brown to Black

Odor: Odorless to slight petroleum odor hot

Molecular Weight: Not Applicable

Boiling Point: Not Applicable

Melting/Freezing Point: 265°C

Solubility In Water: Insoluble

Specific Gravity: 1.05

Section X. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will Not occur

Incompatibilities: May react with strong oxidizing materials

Instable Conditions: Excessive temperatures (see Incompatibilities).

Decomposition Temperature: Avoid Temperature above 315°C

Decomposition products: Carbon dioxide, carbon monoxide, nitrogen oxide smoke and fumes.

Section XI. Toxicological Information

RTECS Number: LY 9148000

Routes of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.

Toxicity Data: This Product has not been fully tested.

Chronic Toxic Effects: A chronic feeding study conducted by the NTP where mice and rats were fed diets containing either 2% or 4% asphaltum for their lifetimes showed no significant health effects. In another study a 10% solution of asphaltum in benzene was applied to the skin of mice at a frequency of 3 times a week for 80 weeks. No increases in skin cancer were observed when compared to a control group. In a third, asphaltum was heated to 550°F. The cooled asphaltum was then tested for mutagenicity in

the Ames assay test. Results were negative. The National Institute for Occupational Safety and Health was unable to detect polynuclear aromatic hydrocarbons in asphaltum. These test indicate that asphaltum is non-toxic and is non-carcinogenic. Although asphaltum is not a carcinogen, processes in which asphaltum is brought to very high temperatures may alter its complex hydrocarbon structure and may produce carcinogenic substances. Thermal cracking of complex hydrocarbons is known to produce polynuclear aromatic hydrocarbons, some of which are know to be carcinogenic and mutagenic. Ames mutagenicity screening tests were conducted on samples of asphaltum, which were heated. A sample heated to 650°F and allowed to cool was found to be mutagenic. In an other study, asphaltum distilled at approximately 2500°F and dissolved in benzene was carcinogenic when applied 3 times a week for 80 weeks to the skin of mice.

Acute Toxic Effects: Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.

Section XII. Ecological Information

Ecotoxicity: Not available at this time.

Section XIII. Disposal Considerations

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

Section XIV. Transportation Information

Proper Shipping Name: Asphaltum

UN Number: N/A

Class: N/A

P.G.: N/A

Label Code: N/A

Section XV. Regulatory Information

OSHA Status: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) inventory List

California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.

SARA 313 Title III:

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: None

Section 313 Toxic Chemicals: None

Section XVI. Other Information

Prepared By: Mark Dugan

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