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Asphalt Products Division
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 For chemical emergencies, call Chemtrec:
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MATERIAL SAFETY DATA SHEET

Product Names: Hi-Brite Fibred Aluminum Roof Coating

Item Number: 82750

1. Product Identification

Synonyms: None

Chemical Name: Asphalt

Chemical Family: Petroleum Hydrocarbon

Chemical Formula: Mixture

CAS No.: None

NFPA Identification:

Health: 2

Flammability: 2

Reactivity: 0

Protection: NF

2. Hazardous Components

<u>Ingredients</u>	<u>CAS Number</u>	<u>PEL (OSHA)</u>	<u>% Weight</u>	<u>TLV/TWA</u>
Petroleum Asphalt	8052-42-4	No STEL Recommended (ACGIH)		5 mg/m ³
Mineral Spirits	8052-41-3	100 ppm		100 ppm
Aluminum Pigment (Leafing Type)	7429-90-5	15 mg/m ³		10 mg/m ³
*Cellulose Fibers	9004-34-6	15 mg/m ³ (TWA)		5 mg/m ³

* Ingredient is encapsulated therefore no dust is friable.

NOTE: Most OSHA exposure limits shown above are 1989 PEL's vacated by the U.S. Court of Appeals. These are included as guideline information. Enforceable limits may be less stringent or are not established.

3. Acute Effects of Overexposure

EYE: Conjunctivitis, irritation, tearing.

SKIN: Itching, dry skin. Allergic skin reactions may occur on occasion and the skin may become sensitized.

INHALATION: Asphalt fumes cause irritation to the mucous membranes of the respiratory tract and may cause nausea, dizziness, and headache, or unconsciousness.

INGESTION: May be fatal. Ingestion is considered unlikely.

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4. Chronic Effects of Overexposure

Difficult breaths (Cancer studies - no friable fibers).

5. Other Health Effects

Repeated continuous exposure can aggravate emphysema. Repeated continuous exposure may result in chemical pneumonia or liver/kidney damage. Direct contact and ingestion should also be avoided.

6. Toxicology

Acute Oral LD50	No Data Available
Acute Dermal LD50	No Data Available
Acute Inhalation LC 50	No Data Available
Carcinogenicity	No Data Available
Mutagenicity	No Data Available

7. First Aid and Emergency Procedures

EYE: Flush for at least 15 minutes with large amounts of water immediately. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention immediately.

SKIN: Remove clothing and wash with soap and water. Get medical attention if irritation persists.

INHALATION: Remove affected person from source of exposure. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, give oxygen. Get medical attention.

INGESTION: Do not induce vomiting! If spontaneous vomiting occurs, monitor for breathing difficulty. Get immediate medical attention! Very little product may be fatal.

8. Physical Data

Appearance	Bronze/Silver Chunky Viscous Fluid
Odor	Petroleum
Initial Boiling Point (° F)	313
Vapor Pressure (mm Hg)	NF
Vapor Density (Air = 1)	NF
Solubility in Water	Insoluble
Specific Gravity (H ₂ O = 1)	0.85 - 0.99
Volatiles	
Evaporation (Ether = 1)	
Viscosity	
Auto Ignition Temperature	400° F
pH	Not Applicable

Note: Asphalt is a native mixture of hydrocarbons which occurs as an amorphous, brownish-black solid or semi-solid. Asphalt results from evaporation of the lighter hydrocarbons from petroleum and partial oxidation of the residue. Petroleum asphalt, thus, should be differentiated from tar or pitch, which results from the destructive distillation of coal.

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9. Fire and Explosion Data

Flash Point (Method Used) 105° F NFPA
Flammable Explosion Limits LEL: 0.9% UEL: 6.0%

Fire extinguishing media: Foam, Water Fog, or Dry Chemical Extinguishers
Special Fire Hazards and Fire Fighting Procedures: Petroleum-based compounds can float on water.

10. Reactivity

Stable: Yes	Unstable: N/A
Conditions to Avoid	Sparks, heat, open flame and fume inhalation
Incompatibility	Acids, caustics, and oxidizers.
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	Nitrogen oxides, carbon oxides.

11. Spill, Leak, and Disposal Procedures

Use non-sparking tools, shovel up and place in a closed container.

12. Waste Disposal Method

RCRA regulated material. Consult local, state, and federal regulations for permitted landfill, disposal and incineration.

13. DOT Transportation

According to DOT regulations, this product is only considered hazardous when being transported in (a) container(s) whose volume(s) exceed(s) one hundred nineteen (119) gallons.

For Containers Exceeding 119 Gallons:

Hazmat Description & Proper	Asphalt, 3, NA 1999 PG III
Shipping Name	
ID Number	NA 1999
Hazard Class	3
Packing Group	PG III

14. Protective Equipment

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RESPIRATORY: Ventilation may be used to reduce airborne concentrations. If ventilation can not reduce airborne concentrations below acceptable limits, appropriate respiratory protection with organic vapor cartridge should be used. Use NIOSH or MSHA approved respiratory protective equipment when airborne exposure limits are exceeded.

EYE: Chemical goggles for vapors. Have eye baths readily available. Do not wear contact lenses.

GLOVE: Wear solvent-impervious gloves (and clothing) to prevent skin contact.

OTHER: Long-sleeved shirt and pants recommended.

NOTE: Personal protective information shown in section 14 is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

15. Precautions to be Taken in Handling and Storage

Avoid extremes of temperature in storage. Store in tightly closed containers in cool, dry, isolated, well-ventilated area away from heat, sources of ignition, and incompatibles. Do not eat, drink, or smoke in areas of use or storage. Empty containers may contain flammable / combustible or explosive residue or vapors. Do not cut, grind, drill, weld, or reuse containers unless adequate precautions are taken against these hazards. *Do not heat products for application!* Wash contaminated clothing.

16. Notice

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