

MATERIAL SAFETY DATA SHEET

Total Solutions
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GENERAL INFORMATION NUMBER: (414) 354-6417
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I - Product Identification

Asphalt Patch

PRODUCT CODE: 1801

CHEMICAL FORMULATION: Asphalt cement.

NFPA HAZARD IDENTIFICATION SYSTEM:

HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

HAZARD RATING: 4 - Extreme;

3 - High;

2 - Moderate;

1 - Slight;

0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX	OSHA	ACGIH	EPA 40 CFR:			CAS#
	%	PEL	TLV	302	355	372	
Asphalt	100.0	N/E	5 mg/m ³	N	N	N	8052-42-4
Hydrogen Sulfide	<1.00	10 ppm	10 ppm	N	N	N	7783-06-4

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).

355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).

372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): > 750

SPECIFIC GRAVITY (WATER = 1): 0.99-1.03

VAPOR PRESSURE (mm Hg): N/D

VOC CONTENT (% by weight): N/D

VAPOR DENSITY (AIR = 1): N/D

EVAPORATION RATE (WATER = 1): N/D

SOLUBILITY IN WATER: Negligible

pH: N/D

APPEARANCE AND ODOR: Black viscous liquid; mild petroleum odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): 450 (minimum) (TEST METHOD): C.O.C.

FLAMMABLE LIMITS IN AIR (VOLUME %)

UPPER: N/D

LOWER: N/D

EXTINGUISHING MEDIA: Water spray, foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Water directed into elevated temperature material may cause severe foaming and splatter as it vaporizes.

V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizers (chlorine, hydrogen peroxide, organic peroxides, nitric acid, chromic acid, oxygen under pressure.

CONDITIONS TO AVOID: Avoid overheating, sources of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon, nitrogen and sulphur, and other harmful products.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY **INHALATION:** X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:** X

INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None

EFFECTS OF OVEREXPOSURE

IF IN EYES: Heated material can cause thermal burns.

IF ON SKIN: Heated material can cause thermal burns. No effect expected from cold material for short-term exposures. Prolonged or repeated contact may cause some skin irritation.

IF SWALLOWED: Expected to be relatively non-toxic.

IF INHALED: Prolonged breathing of vapors should be avoided due to potential chronic effects. Vapors that evolve from heated asphalt may contain hydrogen sulfide (H₂S). These can accumulate in containers during storage or transport. Inhalation of H₂S can be harmful or fatal.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

IF ON SKIN: For thermal burns flush with water. Do not remove congealed solid material. Obtain medical attention.

IF SWALLOWED: Contact physician or poison control center immediately.

IF INHALED: Remove person to fresh air. Administer artificial respiration, if not breathing. Administer oxygen if breathing has stopped.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area and remove all sources of ignition. Contain and remove by mechanical means.

WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.

VENTILATION

LOCAL: Recommended

MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Goggles or face shield.

OTHER PROTECTIVE EQUIPMENT: Protective clothing.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from heat or open flame. Keep container tightly closed when not in use.

OTHER PRECAUTIONS: Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: None

DOT CLASS: None

DOT ID NUMBER: None

DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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