

Distributed By:
KAYLINE COMPANY

3303 Lakeside Ave. Cleveland, Ohio 44114

Product Name: DURA-PATCH
PHONE: 216-566-9858 or 800-426-5820

EMERGENCY: phone number involving spill, leak, fire or accident: INFOTRAC: 800-535-5053

MATERIAL SAFETY DATA (Prepared According to 29CFR 1910, 1200)

SECTION 1 -- PRODUCT IDENTIFICATION

DATE PREPARED: 02/28/02

PRODUCT NAME: DURA-PATCH
PRODUCT TYPE: ASPHALT BASED ROOF COATING
COMPANY NAME: KAYLINE COMPANY
COMPANY ADDRESS: P.O. Box 603207 Cleveland, Ohio 44103

Product Code: K109

SECTION 2 -- HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	OSHA PEL	ACGIH TLV	WT%
PETROLEUM ASPHALT	8052-42-4	5 mg/m3 respirable fraction	5 mg/m3 fumes	<75
MINERAL SPIRITS	8052-41-3	500 ppm	100 ppm	<30
ASBESTOS FIBER	12001-29-5	0.1 f/cc	2 f/cc	<5
BUTYL RUBBER	Mixture	N.E.	N.E.	<3
WETTING ADDITIVE	Mixture	N.E.	N.E.	<2

CONTAINS NO CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313

SECTION 3 -- PHYSICAL DATA

BOILING POINT: (°F): 300 Initial
SPECIFIC GRAVITY: 0.94
VAPOR PRESSURE: 2.1 mm Hg @ 20°C
% VOLATILE BY VOL.: 29
pH: N.A.
APPEARANCE/ODOR: Black liquid, petroleum odor.
MELTING POINT: N.A.
EVAPORATION RATE (BUAC=1): 0.1
VAPOR DENSITY: Heavier than air.
SOLUBILITY, WATER: Insoluble.

SECTION 4 -- FIRE AND EXPLOSION DATA

FLASH POINT: 105° F FLAMMABILITY LIMITS: LEL 0.9 UEL 6.7
AUTOIGNITION TEMPERATURES: 540°F
EXTINGUISHING MEDIA: Foam, Carbon Dioxide, Dry Chemical, Water fog
SPECIAL FIREFIGHTING INSTRUCTIONS: Material will float on water and can be reignited. Use water to cool containers to prevent bursting. Wear full firefighting gear including self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Intense heat can cause pressure build-up in containers and can result in bursting. Vapors are heavier than air and can travel along the ground to remote sources of ignition. Empty containers may contain residual vapors or liquid that could be ignited by heat, flame, sparks or other ignition sources.

SECTION 5 -- REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Heat, flame, sparks, or other sources of ignition.
INCOMPATIBILITY: Avoid strong oxidizers.
HAZARDOUS DECOMPOSITION BYPRODUCTS: Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, Hydrogen Sulfides, and Smoke.
HAZARDOUS POLYMERIZATION: Will not occur.
ROUTES OF EXPOSURE: Inhalation, Skin Contact, and Eye Contact.

SECTION 6 -- HEALTH HAZARD DATA

HEALTH HAZARDS (ACUTE): Vapors may be irritating to nose, throat, and respiratory tract. High concentrations may cause headaches, dizziness, nausea, drowsiness, anesthesia, and unconsciousness and can result in death. Vapors and liquid can cause eye irritation, redness, tearing and blurred vision. Ingestion can cause irritation of mouth, throat, and gastrointestinal tract. May cause nausea and vomiting. Aspiration of petroleum distillates into the lungs can cause severe chemical pneumonitis, which can be fatal.
HEALTH HAZARDS (CHRONIC): Prolonged or repeated contact can cause skin dryness, irritation and dermatitis.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Central nervous system diseases, skin disorders, eye disorders or chronic respiratory diseases may be worsened by exposure.

SECTION 7 -- PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Eliminate sources of ignition. Ventilate area. Wear appropriate safety equipment. Restrict access to area of spill. Contain spill using sand or other inert material. Recover free material to a secure container. Use inert absorbent to pick up residue. Wash area with soap and water.
WASTE DISPOSAL: Dispose of material in accordance with applicable Federal, State and local regulations. This material is a RCRA regulated hazardous waste.
PRECAUTIONS FOR STORAGE AND HANDLING: Do not store containers near sparks, open flames or other sources of ignition. Keep container closed when not in use. Wear appropriate personal protective equipment when handling product. Grounding is required for pumping or spraying of material. Wash hands after using product and before eating or smoking.

Asbestos is listed as a carcinogen in NTP, IARC and OSHA monographs. The listings are based upon inhalation of asbestos fibers that are not encapsulated. The asbestos fibers in this product are totally encapsulated and not subject to release into the air. They are not considered to be a health hazard. IARC monographs list refined bitumens as possibly carcinogenic to humans based upon animal studies. IARC regards it prudent to treat a material for which there is sufficient evidence of carcinogenicity in animals as if it is possibly carcinogenic in humans.

SECTION 8 -- CONTROL MEASURES

RESPIRATORY PROTECTION: FOR OUTDOOR USE ONLY. Avoid breathing vapors or spray mist. If vapors exceed TLV, use a NIOSH/MSHA approved respirator equipped with an Organic Vapor cartridge or self-contained breathing apparatus.
EYE PROTECTION: Wear safety goggles or full-face shield.
PROTECTIVE GLOVES: Impervious plastic or rubber gloves.
PROTECTIVE CLOTHING: Wear long pants and long sleeved shirt. Remove contaminated clothing and launder before reuse.
OTHER PROTECTIVE MEASURES: Use waterless hand cleaner to remove material from skin. Avoid breathing of vapors and spray mist. Equipment must be grounded for pumping or spraying. Use explosion-proof equipment. Eye wash stations and safety showers should be available.

EMERGENCY AND FIRST AID PROCEDURES: IF INHALED: Remove person to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, administer artificial respiration. Seek emergency medical attention.
SKIN CONTACT: Remove material using waterless hand cleaner. Wash skin with mild soap and water. If irritation persists, seek medical attention. Remove and launder contaminated clothing before reuse. EYE CONTACT: Flush eyes with cool running water for at least 15 minutes while holding eyelids open. Seek immediate medical attention. IF INGESTED: DO NOT INDUCE VOMITING. Call a doctor or Poison Control Center immediately. Aspiration can cause chemical pneumonitis that is potentially fatal.

SECTION 9 -- OTHER INFORMATION

ABBREVIATIONS	NA=NOT APPLICABLE	ND=NOT DETERMINED
	NE=NOT ESTABLISHED	
	NFPA	HMIS
HEALTH	2	2
FLAMMABILITY	2	2
REACTIVITY	0	0
PERSONAL PROTECTION		B

VOC Content: 1.90 lbs/gal or 228g /l. Complies with California, Massachusetts, and Federal regulations in effect on date of issuance.

California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer.

DOT Proper Shipping Name: Combustible Material, NOS, 3, NA 1993, PG III
Contains Petroleum Distillates.

The information contained herein is believed to be accurate and complete to the best of Kayline's knowledge at the time of issuance. Kayline does not warrant the accuracy of this data and shall not be liable for any loss or damage arising from the use thereof.