

MATERIAL SAFETY DATA SHEET - #0071

Identity (As Used on Label and List)
Blacktop Patch - #0071

SECTION 1 - IDENTITY

Manufacturer's Name	Emergency Telephone Number
American Stone-Mix, Inc.	(410) 494-1560
Address Information	Telephone Number
8320 Bellona Avenue	(410) 296-6770
Towson, Maryland 21204-2086	Date Prepared:
	03/04/93

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	OSHA PEL	ACGIH	TLV	%
Cutback Asphalt base C.A.S. # 8052-42-4	5mg/m3			4-6%
Fillers (Silica) C.A.S. # 14808-60-7	0.1mg/m3	Respirable		94-96%

Note: The filler is completely immobilized by the Asphalt so that no respirable dust will be present.

Effects Of Overexposure

Skin Irritant

Emergency And First Aid Procedures

If Substance Gets In Eyes Or Mouth, See Doctor Immediately. Wash Off Of Skin At Once. If Skin Irritated, Apply Lotion And See Doctor If Irritation Persists. Wash Contaminated Clothing Before Re-Use.

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	680 deg. F
Specific Gravity (H2O = 1)	More than 1
Vapor Pressure (mmHg)	Not Applicable
Melting Point	Not Applicable
Vapor Density (AIR=1)	Not Applicable
Evaporation Rate (Butyl Acetate = 1)	Not Applicable
Solubility in Water	negligible
Appearance and Odor	
Black, viscous Liquid covering sand and gravel; Kerosene Odor	

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SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	greater than 150 deg F Tag open cup (Asphalt)
Flammable Limits	
LEL	0.9
UEL	6.0
Extinguishing Media	Dry Chemical foam
Special Fire Fighting Procedures	
None	
Unusual Fire and Explosion Hazards	
None	

SECTION 5 - REACTIVITY DATA

Stability	Stable
Conditions to avoid	Open Flame
Incompatibility	Not Applicable

(Materials To Avoid)**Hazardous Decomposition Or Byproducts**

When burned toxic fumes may be emitted

Hazardous Polymerization

Will Not Occur

SECTION 6 - HEALTH HAZARD DATA

Routes of Entry

Inhalation? No expected effect under normal conditions of use
Use with adequate ventilation.

Skin? Can cause irritation on prolonged or repeated
contact. Wear protective clothing and gloves.

Ingestion? No expected effect under normal conditions of use

Health Hazards (Acute and Chronic)**Skin:**

Petroleum Distillates have been shown to possess weak
Carcinogenic activity in laboratory animals. Therefore, there
may be a potential risk of skin cancer from prolonged or
repeated skin contact with this product in the absence of good
personal hygiene. This particular product has not been tested
for carcinogenic activity, but we have chosen to be cautious
in light of the findings with other distillate streams.
Occasional skin contact with this product is not expected
to have serious effect, but good personal hygiene should be
practiced.

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Petroleum Distillates have been show to produce kidney damage in male rats following prolonged inhalation exposures. The significance of these findings in terms of human health is uncertain at this time since the male rat appears uniquely prone to kidney damage following exposures to a variety of hydro-carbon materials. Although we do not believe these materials pose a serious human health risk, until additional information is obtained, we recommend that users be cautious and avoid prolonged breathing of vapors.

NTP?	Not Applicable
IARC Monograph?	Not Applicable

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NTP?	Not Applicable
IARC Monograph?	Not Applicable
OSHA Regulated?	Not Applicable

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled
Not Applicable

Waste Disposal Method
In accordance with local regulations.

Precautions to be Taken in Handling and Storing
Use in ventilated area. Store in cool dry place

Other Precautions
Not Applicable

SECTION 8 - CONTROL MEASURES

Respiratory Protection (Specify Type)
Avoid Prolonged Breathing of Vapors

Ventilation	Recommended
Local Exhaust	Use With Adequate Ventilation
Mechanical (General)	Not Applicable
Protective Gloves	Yes - Rubber Gloves
Eye Protection	Yes - Goggles
Other Protection	Skin Covered With Clothing
Work/Hygienic Practices	Wash exposed areas after use.

SECTION 9 - COMMENTS

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

The information and recommendations contained herein are based upon data believed to be correct, however, most originated at independent governmental or private sources or in the scientific

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changes in the law occurred. The information is offered as a convenience only for use in recipient's own independent verification and/or investigation.

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Jeff Neill & Associates, INC
MATERIAL SAFETY DATA SHEET

OSHA-174 DATA

HMIS - Health - 1 Flammability - 0 Reactivity - 0

SECTION I		TELEPHONE
PRODUCT	ASPHALT RELEASE	EMERGENCY 814/ 4722-9373
MFG. MAINTENANCE EQUIPMENT & CHEMICAL SALES		INFORMATION 814/ 472-9373
STREET	Rd # 3, Box 185	DATE 8-10-92
CITY, STATE	Ebensburg, PA 15931	PREPARER

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS INGREDIENTS CHEMICAL NAMES	OSHA PEL	ACGIH TLV	%
None	I	I	I
	I	I	I
	I	I	I
	I	I	I
	I	I	I
	I	I	I
	I	I	I
	I	I	I

Does not contain any SARA title III, section 313 listed toxic substances.

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT	212 F	SPECIFIC GRAVITY	1.019
VAPOR PRESSURE	20 mm @ 75F	MELTING POINT	NA
VAPOR DENSITY	NA	EVAPORATION (Water = 1)	1
SOLUBILITY IN WATER	100%		
APPEARANCE/ODOR	Viscous straw colored liquid, mild odor.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT/METHOD	None, TCC	FLAMMABLE LIMITS	NA
EXTINGUISHING MEDIA	None required		
SPECIAL FIRE FIGHTING PROCEDURES	None required		

UNUSUAL FIRE AND EXPLOSION HAZARDS None

Asphalt Release

SECTION V - REACTIVITY DATA

STABILITY Unstable - Conditions to avoid -
 Stable - X

INCOMPATIBLE MATERIALS None

HAZARDOUS DECOMPOSITION PRODUCTS None

HAZARDOUS May occur - Conditions to avoid -
 POLYMERIZATION Will not occur- X

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY - INHALATION No SKIN No INGESTION Yes

HEALTH HAZARDS None from vapors. Prolonged skin contact may cause or
 aggravate previous skin abrasions and dermatitis. Mild eye irritant.

CARCINOGENICITY: NPT? No IARC? No OSHA REGULATED No

SYMPTOMS OF EXPOSURE Irritated eyes and open skin from contact with the
 release concentrate. Severe diarrhea and gastrointestinal track irritation
 from ingestion of the concentrate.

EMERGENCY FIRST AID PROCEDURES Eyes - wash from eyes with water until
 irritation stops. Wash from open skin areas with water. Remove clothing
 contaminated with the concentrate and wash before reuse. If ingested in
 large quantities, drink lots of water and see a physician. Note - Treat as
 soap ingestion.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF SPILLED OR RELEASED Contain spill and pick up
 excess liquid with a mop or wet-vac for reuse. Wash residue to sewer.
 Product is nontoxic and rapidly biodegradable.

WASTE DISPOSAL METHOD Sewer or landfill following all applicable state,
 federal and local ordinances

HANDLING & STORING Store at 40 - 100 F in closed containers.

OTHER PRECAUTIONS Keep out of the reach of children.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION Not required when used as directed.

VENTILATION Normally used in open areas vented to the atmosphere. When
 used in enclosed areas some ventilation should be provided if spray
 produces mists that could be inhaled.

EYE PROTECTION Yes with concentrate GLOVES OK but not required

OTHER PROTECTIVE EQUIPMENT Eye wash for major eye contact.

HYGIENIC PRACTICES Wash hands after handling and before meals.

Asphalt Release