

R. M. LUCAS Co.

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MATERIAL SAFETY DATA SHEET

Phone: (773)-523-4300
Date of preparation: 10-1-2003
Product(s): Lucas #766 – Modified Bitumen Cement
Prepared by: R. Barry

SECTION I

PRODUCT IDENTIFICATION

CHEMICAL FAMILY: Asphalt

FORMULA: Mixture

NAME	C.A.S. #	EXPOSURE LIMITS	% by Weight
Asphalt	8052-42-4	OSHA PEL 5 mg/m ³ ACGIH TLV 5mg/m ³	40-70
High Flash Naphtha	64742-95-6	OSHA PEL: 100ppm ACGIH: 100ppm	5-20
~*1,2,4, Trimethylbenzene	95-63-6	OSHA TWA: 25ppm ACGIH TWA: 25ppm	1-7
~*Xylene	1330-20-7	OSHA TWA: 100ppm ACGIH TWA: 100 ppm	.5-2
~*Cumene	98-82-8	OSHA TWA; 50ppm (skin) ACGIH TWA: 50 ppm (skin) ACGHI TLV 100 ppm	<.5
Mineral Spirits	8052-41-3	OSHA PEL 100 ppm ACGIH: 100ppm	15-35
Styrene-Butadiene-Styrene Copolymer	9003-55-3	NE	4-8
Attapulgate clay	12174-11-7	OSHA PEL: None ACGIH TLV: 5 MG/M ³	7-12
Cellulose	9004-34-6	OSHA PEL: 5 mg/m ³ ACGIH TLV: 5 mg/m	4-8

~Denotes constituent of above listed ingredient. % Concentration is of product mass.

* Identified as SARA section 313 reportable.

SECTION II

HEALTH / SAFETY ALERT

Pre-existing eye, skin, and respiratory disorders may be aggravated by exposure to these products. Exposure to high concentrations of fumes may have an anesthetic effect.

SECTION III

PHYSICAL DATA

BOILING POINT:	325° F	SPECIFIC GRAVITY:	.95
FLASH POINT (SETA):	100° F	VAPOR DENSITY:	3.7
EVAPORATION RATE: (butyl acetate = 1.0)	0.9	SOLUBILITY:	NEG

APPEARANCE AND ODOR: Black or dark brown paste of a heavy consistency with a hydrocarbon odor.

SECTION IV

REACTIVITY

STABILITY:	Stable
HAZARDOUS POLYMERIZATION:	Will not occur
INCOMPATIBILITY:	Strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon, various hydrocarbon fragments

SECTION V

HEALTH HAZARD INFORMATION

EYE CONTACT: These products are mildly irritating to the eyes. The effect of prolonged eye contact is not known.

SKIN CONTACT: Prolonged or repeated contact can cause dermatitis.

INHALATION: Upper respiratory tract irritation. May cause nausea or dizziness. High vapor concentrations can cause central nervous system depression, liver, and kidney damage.

INGESTION: Acute gastrointestinal tract irritation.

SECTION VI

EMERGENCY / FIRST AID

EYE CONTACT: Flush with water immediately for at least 15 minutes. Seek Medical attention immediately.

SKIN CONTACT: Wash skin with waterless hand cleaner followed by soap and water. If redness appears treat it as a sunburn, if redness persists or rash appears seek medical attention immediately.

INHALATION: Remove individual to fresh air, upwind from fume source. If irritation persists seek medical attention immediately.

INGESTION: DO NOT INDUCE VOMITING. Prevent aspiration into lungs. Aspiration of even small amounts into lungs may result in aspiration pneumonitis. Seek medical attention immediately.

SECTION VII

FIRE & EXPLOSION DATA

EXTINGUISHING MEDIA: Class "B" dry chemical, carbon dioxide, or other suitable extinguishing material such as dry sand. Do not use halogenated agents. When flames have been eliminated, cover residue with dry extinguishing agent or dry sand and allow it to remain undisturbed until it has cooled. If fire appears to increase in intensity, stop using these agents. Apply Class "D" extinguishing agent or more dry, inert, granular material. Ring fire with extinguishing material and allow the fire to burn out.

SPECIAL FIRE FIGHTING PROCEDURES: If the fire does not respond to above agents or they are not available, use foam or water FOG as a last resort. Water may also be used to cool exposed, but not burning, containers. These products may float and be re-ignited on top of water. Personnel fighting fire should use a self contained breathing apparatus.

UNUSUAL FIRE and/or EXPLOSION HAZARDS: Closed containers may explode in a fire. Keep containers cool and remove to a safe location.

HAZARD CLASS: H.M.I.S.; Health = 2, Flammability = 2, Reactivity = 0

SECTION VIII

HANDLING PRECAUTIONS

PRECAUTIONS IN CASE OF SPILL: Contain spill as quickly as possible. Keep flowing material away from heat, sparks, or open flames. Do not smoke near a spill. Use clay (Oil Dry™), sand, earth, etc. to absorb the spill. Put material into a suitable steel drum which can be closed securely.

WASTE DISPOSAL: Bury in an approved landfill according to federal, state, and local regulations. Empty containers that have been completely emptied and the residue allowed to dry are not considered hazardous waste.

HANDLING & STORAGE PRECAUTIONS: Store away from heat, sparks, and open flames. Solvent vapors are heavier than air and may be moved from the source location by ventilation systems to points far away. Do not store near oxidizers.

OTHER PRECAUTIONS: Keep container closed when not in use. Store in a dry ventilated area. Maintain package labeling during storage.

SECTION IX

PRECAUTIONS FOR SAFE USE

VENTILATION: Use natural cross ventilation, local (mechanical) pick-up, and/or general area mechanical cross ventilation. Ventilation pattern should be designed to prevent accumulation of heavier than air solvent vapors. Ventilation must be sufficient to maintain solvent vapor concentrations below the TLV.

RESPIRATORY PROTECTION: As required if airborne concentrations are above the TLV. If respirators become necessary use NIOSH approved unit for organic vapor and dusts.

PROTECTIVE CLOTHING: As necessary to prevent wetting of the skin.

EYE PROTECTION: As necessary in accordance with 29 CFR 1910.113

OTHER PRECAUTIONS: With good industrial hygiene no other precautions should be necessary. These products are intended for professional use. Use only after the appropriate Product Data Bulletin has been read and understood.

SECTION X

COMMENTS

DOT INFORMATION: NA

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