5/15/81

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
Johns-Manville Corp. & Subsidiaries	303/978-3118
ADDRESS (Number, Street, City, State, and ZIP Code) Ken-Caryl Ranch, Denver, Colorado 80217	
CHEMICAL NAME AND SYNONYMS Reinforced Asphaltic Coating	TRADE NAME AND SYNONYMS INSULKOTE ET (Summer Grade)
CHEMICAL FAMILY Water based asphalt emulsion	FORMULA

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS NA			BASE METAL NA		
CATALYST "			ALLOYS "		
VEHICLE "			METALLIC COATINGS "		
SOLVENTS "			FILLER METAL PLUS COATING OR CORE FLUX "		
ADDITIVES "			OTHERS "		
OTHERS "					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
Chrysotile Asbestos Fiber (firmly bound in product)	6	*
Methanol	<1	
*See attached sheet (29 CFR 1910.1001)		

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	As water	SPECIFIC GRAVITY (H_2O=1)	1.2
VAPOR PRESSURE (mm Hg.)		PERCENT, VOLATILE ~~BY VOLUME (%)~~	60
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____ =1)	
SOLUBILITY IN WATER	Appreciable		
APPEARANCE AND ODOR	Black semi-liquid - asphaltic odor.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
NA			
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

(Continued on reverse side)

Johns-Manville Material Safety Data Sheet for INSULKOTE ET (Summer Grade) (1981)
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SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
See Section II.

EFFECTS OF OVEREXPOSURE
Skin and eye irritant.

EMERGENCY AND FIRST AID PROCEDURES
Skin: Wash with soap and water.
Eye: Flush with water. If irritation persists, consult a physician.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATABILITY *(Materials to avoid)*
None in designed use.

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Normal good procedures.

WASTE DISPOSAL METHOD
Comply with 40 CFR Part 61

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL *(General)*	OTHER

PROTECTIVE GLOVES Recommended	EYE PROTECTION

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep from freezing.

OTHER PRECAUTIONS

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While the information and recommendations set forth herein are believed to be accurate as of the date hereof, JOHNS-MANVILLE CORPORATION MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

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