

215 S.E. 6th Ave.
HILLSBORO, OR 97123

SECTION I

PRODUCT CODE NUMBER _____ *TLV: _____
MANUFACTURER'S NAME: Koppers Company, Inc. EMERGENCY INFORMATION _____
MANUFACTURER'S ADDRESS: _____
PRODUCT: Wet Patch COMMON NAME _____
GENERIC NAME: _____ CHEMICAL NAME: _____
CHEMICAL FAMILY: _____ DOT PROPER SHIPPING NAME: _____
WARNING STATEMENTS: _____

SECTION II - INGREDIENTS

FIRE-FIGHTING PROCEDURES:	%	TLV
Wear complete fire service protective equipment, including full-face MSHA/NIOSH approved self-contained breathing apparatus. Use water to cool fire-exposed container/structure/protect personnel. Toxic vapors may be given off in a fire.		
FIRE AND EXPLOSION HAZARDS:		
When heated (fire conditions), vapors/decomposition products may be released forming flammable/explosive mixtures in air. Closed containers may explode when exposed to extreme heat (fire).		

* Threshold limit value set by (A) DSHA, (B) ACGIH, (C) See Section III, (D) Other, (NE) Not Established (Units are in PPM unless otherwise specified)

SECTION III - PHYSICAL DATA

APPROXIMATE BOILING RANGE: _____ VAPOR PRESSURE: _____
VAPOR DENSITY: _____ SOLUBILITY IN WATER: _____
SPECIFIC GRAVITY: _____ PERCENT VOLATILE: _____
EVAPORATION RATE: _____ APPROXIMATE BULK DENSITY: _____

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT RANGE: _____ EXTINGUISHING MEDIA: _____
FIRE FIGHTING PROCEDURES: _____ DOT FLAMMABILITY CLASSIFICATION: _____
UNUSUAL FIRE AND EXPLOSION HAZARDS: _____

SECTION V - EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: _____
SKIN CONTACT: _____
INHALATION: _____
INGESTION: _____



HILLSBORO ELEMENTARY SCHOOLS

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MATERIAL SAFETY DATA SHEET

CM 0122.

SECTION I

PRODUCT CODE NUMBER: _____ *TLV: _____
MANUFACTURER'S NAME: Koppers Company, Inc. EMERGENCY INFORMATION 1-800-553-5631
MANUFACTURER'S ADDRESS: 436 Seventh Ave., Pittsburgh, PA 15219
PRODUCT: Wet Patch COMMON NAME: _____
GENERIC NAME: _____ CHEMICAL NAME: _____
CHEMICAL FAMILY: Bitumen Cutback DOT PROPER SHIPPING NAME: _____
WARNING STATEMENTS: _____

SECTION II - INGREDIENTS

	CAS #	%		TLV
Coal Tar Pitch	8007-45-2	20	ACGIH-TLV	0.2*ppmMG/M3
			OSHA-PEL	0.2*ppmMG/M3
Aliphatic Petroleum Oil		55	ACGIH-TLV	0.2*ppmMG/M3
Aliphatic Solvent	8032-32-4	10	ACGIH-TLV	350ppmMG/M3
TALC	14807-96-6	15	***	
Limestone	1317-65-3	15	ACGIH-TLV	**

*0.2MG/M3 coal tar pitch volatiles as benzene soluble fraction

**10 MG/M3 total dust: 5MG/M3 as respirable dust

***TALC - ACGIH-TLV 2 MG/M3 respirable dust: OSHA-PEL 20 MPPCF

* Threshold limit value set by (A) OSHA, (B) ACGIH, (C) See Section III, (D) Other, (NE) Not Established (Units are in PPM unless otherwise specified)

SECTION III - PHYSICAL DATA

APPROXIMATE BOILING RANGE: 238 C (460 F) VAPOR PRESSURE: < 1 MM HG
VAPOR DENSITY: > 1 SOLUBILITY IN WATER: Nil
SPECIFIC GRAVITY: 1.18 to 1.2 PERCENT VOLATILE: 15
EVAPORATION RATE: NA APPROXIMATE BULK DENSITY: _____

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT RANGE: > 110 C (>230F) EXTINGUISHING MEDIA: Dry chem. carbon dioxide, foam
FIRE FIGHTING PROCEDURES: see attached DOT FLAMMABILITY CLASSIFICATION: water spray, water or foam may cause frothing.
UNUSUAL FIRE AND EXPLOSION HAZARDS: see attached

SECTION V - EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Gently flush any particles from the eye with large amounts of cold seek medical aid.

SKIN CONTACT: Wipe material from skin. Wash thoroughly with waterless hand cleaner. If irritation persists, seek medical aid. Remove contaminated clothing.

INHALATION: If breathing has stopped or is difficult, administer artificial respiration or oxygen as indicated. Seek Medical Aid.

INGESTION: Give 1 to 2 glasses of milk or water to victim if conscious and alert. Induce vomiting or give 1 to 2 oz (30 to 60G) activated charcoal in water to victim if conscious and alert. Seek medical aid.
Note to Physician: There is no specific antidote for effect from overexposure to this product. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

SECTION VI - PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

ACUTE EFFECTS See Page 3

CHRONIC EFFECTS (as defined by OSHA recommended standards) may cause cancer warning Harmful to the skin, or if inhaled or swallowed causes eye and skin irritation avoid prolonged and/or repeated contact observe good hygiene and safety practices when handling this product do not use this product until MSDS has been read and understood.

SECTION VII - REACTIVITY DATA

STABILITY (Conditions to Avoid): Instability: None.

INCOMPATIBILITY (Materials to Avoid): May attack some plastics and some rubbers.

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION (Conditions to Avoid): None

SECTION VIII - SPILL OR LEAK PROCEDURES

PROCEDURES IN CASE OF RELEASE OR SPILL: Stop leak if no risk involved. Stay upwind. Solidified spills: shovel into dry containers and cover. Flush area with water. Small wet spills: Take up with sand or other noncombustible absorbent material. Flush area with water. large spills for later disposal. Contain runoff from fire control and dilution water. WASTE DISPOSAL METHOD: This product is not defined as a us epa hazardous waste in accordance with local, state and federal regulations.

SECTION IX - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: See attached

VENTILATION: See attached

PROTECTIVE GLOVES: See attached

Industrial safety glasses, minimum, As necessary to comply with 29 CFR 1910. EYE PROTECTION: 133 and work area conditions: use side shields, goggles or face shield.

OTHER PROTECTIVE EQUIPMENT:

SECTION X - STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORING PRECAUTIONS: Avoid prolonged or repeated breathing of vapors, mists or fumes. Avoid prolonged or repeated contact with skin or eyes. Application of certain protective creams (sun screens for coal tar products) before working/several times during work may be beneficial. Storage: Keep in a closed, labeled container within a cool (well shaded), dry, ventilated area. protect from physician damage. Keep containers closed when material is not in use. Maintain good housekeeping. Other: Showering and clothing change recommended at the end of each shift. Do not wear contaminated clothing. Discard contaminated footwear. Do not use until manufacturer's precautions have been read/understood. Wash exposed areas promptly and thoroughly after skin contact and before eating, drinking, using tobacco products or restrooms.

SECTION XI - DOCUMENTARY INFORMATION

PRODUCT CODE NUMBER:

DATE: 4-86

REPLACES MSDS NUMBER:

PREVIOUS PRODUCT CODE NUMBER:

PREVIOUSLY ISSUED:

SECTION VI - PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

ACUTE EFFECTS: _____

CHRONIC EFFECTS: _____

SECTION VII - REACTIVITY DATA

STABILITY (Conditions to Avoid): _____

INCOMPATIBILITY (Materials to Avoid): _____

HAZARDOUS DECOMPOSITION PRODUCTS: _____

HAZARDOUS POLYMERIZATION (Conditions to Avoid): _____

SECTION VIII - SPILL OR LEAK PROCEDURES

PROCEDURES IN CASE OF RELEASE OR SPILL: _____

WASTE DISPOSAL METHOD: _____

SECTION IX - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: If ventilation does not maintain inhalation exposures below TLV (PEL). Use MS HA/NIOSH approved units as per current 29 CFR 1910.134 and manufacturers "instructions" and "warnings" combination filter/organic vapor cartridges or canister may be used. Use half mask; if eye irritation persists, use full-face unit.

VENTILATION: Provide sufficient general/local exhaust ventilation in pattern/volume to control inhalation exposures below current exposure limits. Local exhaust is necessary for use in enclosed or confined spaces. See OSHA requirement/NIOSH PUB. 80-106 "working in a confined space."

SKIN PROTECTION: As required, industrial resistant flexible type gloves (butyl, neoprene, viton, or equal). Wear industrial type work clothing and safety footwear. Depending on working conditions, L.E. contact potential, wear impervious protective garments such as aprons,

hackets, pants, boots etc. SECTION X - STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORING PRECAUTIONS: _____

OTHER PRECAUTIONS: _____

SECTION XI - DOCUMENTARY INFORMATION

PRODUCT CODE NUMBER: _____

ISSUE DATE: _____

REPLACES MSDS NUMBER: _____

PREVIOUS PRODUCT CODE NUMBER: _____

PREVIOUSLY ISSUED: _____