

**MATERIAL SAFETY DATA SHEET
TALLEY OIL INC.**

SECTION 1

SUPPLIER'S NAME: TALLEY OIL INC.
24 HR. EMERGENCY NUMBER: (559) 217 - 3411
ADDRESS: 12483 Road 29
Madera, CA 93638
CHEMICAL NAME: Mixture, See Section 2
PRODUCT NAME: AR-4000
CHEMICAL FAMILY: Petroleum Hydrocarbon, Asphalt
CAS#: Mixture

SECTION 2: HAZARDOUS INGREDIENTS OF MIXTURES

CAS#	MATERIAL OR COMPONENT	%	THRESHOLD LIMIT VALUE
64741-56-6	Petroleum Asphalt	65-80%	5 mg/m3
68955-27-1	Petroleum Residues Vacuum Distillates	20-25%	5 mg/m3
7783-06-4	Hydrogen Sulfide	>1%	10ppm-20ppm PEL
64742-11-6	Naphtenic Distillate solvent Extract	30-35%	5 mg/m3

SECTION 3: PHYSICAL DATA

BOILING POINT (F): Not Available
MELTING POINT: Not Available
DENSITY: Not Available
VAPOR PRESSURE: Not determined
VAPOR DENSITY (AIR=1): N/A
SOLUBILITY IN WATER (5 BY WT.): Negligible
% VOLATILES BY VOL.: N/A
EVAPORATION RATE: N/A
APPEARANCE AND ODOR: Black Viscous semisolid. Asphalt odor

SECTION 4 FIRE AND EXPLOSION DATA

FLASH POINT: 500+ DEG F (CLOSED CUP)
EXTINGUISHING MEDIA: DRY CHEMICAL OR FOAM PREFERRED
SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS: DO NOT USE WATER ON ASPHALT FIRE IN TANK OR OTHER CONTAINERS SINCE IT MAY CAUSE VIOLENT ERUPTION AND SPREADING OF BURNING ASPHALT. MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR, INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.
UNUSUAL FIRE FIGHTING PROCEDURES: DO NOT HEAT ABOVE FLASHPOINT. HOT ASPHALT MAY IGNITE FLAMMABLE MIXTURES ON CONTACT. SULFUR OXIDES AND HYDROGEN SULFIDE, BOTH OF WHICH ARE TOXIC, MAY BE RELEASED UPON COMBUSTION. H₂S VAPORS ARE HEAVIER THAN AIR, MAY ACCUMULATE IN LOW AREAS AND TRAVEL ALONG THE GROUND TO A REMOTE IGNITION SOURCE; IF IGNITED WILL FLASH BACK TO ORIGINAL CONTAINER.

SECTION 5: HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

EYES: Product is presumed to be minimally irritating to the eyes.

Contact with product at elevated temperatures can result in thermal burns.

SKIN: Product is presumed to be minimally irritating to the skin.

Contact with product at elevated temperatures can result in thermal burns.

Prolong and repeated contact may result in various skin disorders.

INHALATION: WARNING – HYDROGEN SULFIDE (H₂S) AND OTHER VAPORS MAY EVOLVE AND COLLECT IN THE HEADSPACE OF STORAGE TANKS OR OTHER ENCLOSED VESSELS.

HYDROGEN SULFIDE IS AN EXTREMELY TOXIC GAS. Inhalation of vapors, mist or fumes (generated at high temperatures) may cause irritation to the nose, throat and respiratory tract

INGESTION: Do not induce vomiting. In general, no treatment is necessary unless large quantities of product are ingested.

EMERGENCY FIRST AID PROCEDURES:

EYES: Flush with water for 15 minutes while holding eyelid open.

Get medical attention.

SKIN: If hot asphalt strikes skin, drench or immerse the area in water to assist cooling.

DO NOT TRY TO REMOVE ASPHALT FROM BURNED AREA AFTER IT HAS COOLED.

Seek medical attention. If product has cooled it may be carefully removed with a solvent,

Hand cleaner or tar remover.

INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult.

Get medical attention.

INGESTION: Do not induce vomiting. Get medical attention.

SECTION 6 REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: Do not allow molten product to contact water or liquids as this can cause violent eruptions, splatter hot material or ignite flammable materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal Decomposition products are highly dependent on the combustion conditions. A complex mixture of airborne solid, liquid, particulates and gases will evolve when this material undergoes combustion. Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

SECTION 7 SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Prevent material from entering sewers or waterways. Dike and contain. Remove with vacuum truck or pump into storage.

Soak up residue with an absorbent such as sand, dispose of properly.

WASTE DISPOSAL METHOD: Place in appropriate disposal facility in compliance with local Regulations.

SECTION 8 PROTECTIVE EQUIPMENT

VENTILATION: If exposure may or does exceed occupational exposure limits, use NIOSH approved respirator to prevent overexposure. Organic vapor (CW21-50 Cartridge).

PERSONAL PROTECTIVE EQUIPMENT: Wear impervious gloved and protective clothing as required to prevent skin contact. Wear chemical goggles to prevent eye contact.

SECTION 9 SPECIAL PRECAUTIONS

When asphaltic products are heated, they often give off small amounts of Hydrogen sulfide. Hydrogen sulfide is an extremely flammable, highly toxic gas. Breathing hydrogen sulfide must be avoided. Minimize breathing of vapors, fumes, or mist; when possible, use ventilation or work upwind of source of vapors, fumes or mist. Launder contaminated clothing before using. Observe good personal hygiene. Wash thoroughly after working with asphalt and before eating or smoking.

This product is an "oil" under the Clean Water Act. Keep out of surface waters and any watercourses or sewers entering or leading to surface waters. Spills on or in waterways must be reported to the National response Center (800-424-8802). This product contains products that contain trace amounts of a substance designated by the State of California to be a Carcinogen/reproductive toxin.

SECTION 10 TRANSPORTATION REQUIREMENTS

DEPARTMENT OF TRANSPORTATION CLASSIFICATION: CLASS 9 (MISCELLANEOUS HAZARDOUS MATERIAL), III

D.O.T. PROPER SHIPPING NAME: ELEVATED TEMPERATURE LIQUID, N.O.S. (PETROLEUM ASPHALT)

OTHER REQUIREMENTS: UN3257, GUIDE 128. NOT REGULATED BY D.O.T. IF IN A CONTAINER OF 119 GALLON CAPACITY OR LESS.

DATE: 3-1-2000

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