

MATERIAL SAFETY DATA SHEET

THOMAS & BETTS, 8155 T&B BOULEVARD, MEMPHIS, TN 38125

T&B CATALOG NUMBER: 15-301TB

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PRODUCT DESCRIPTION: PENETRATING OIL (AEROSOL)

DATE PREPARED: JUNE 23, 1998

DOCUMENT NUMBER: MSDS0036

SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: PENETRATING OIL

GENERAL USE: CUTS THROUGH DIRT AND SCALE TO RELEASE CORRODED OR RUSTED PARTS.

PRODUCT DESCRIPTION: PENETRATING OIL (AEROSOL).

GENERIC INGREDIENTS:

24HR EMERGENCY TELEPHONE NUMBERS: CHEMTREC: 800-424-9300

FOR PRODUCT INFORMATION: THOMAS & BETTS: 901-682-8221 (X8324)

SECTION 2 HAZARDOUS INGREDIENT SECTION

THIS PRODUCT IS HAZARDOUS AS DEFINED IN: 29 CFR1910.1200

OSHA HAZARDOUS INGREDIENTS

	CAS#	EXPOSURE LIMITS 8 HRS. TWA (mg/m ³)		
		OSHA PEL	ACGIH TLV	WT%
PETROLEUM DISTILLATE	68476-30-2	400 PPM	N/E	60
PETROLEUM DISTILLATE	64742-88-7	400 PPM	N/E	10
PETROLEUM OIL	MIXTURE	—	—	10
PROPANE	74-98-6	1000 PPM	ASPHYXIAN	10

SECTION 3 HEALTH INFORMATION & PROTECTION

POTENTIAL HEALTH EFFECTS:

EYE CONTACT:

LIQUID OR VAPOR CAN CAUSE MODERATE TO SEVERE IRRITATION.

SKIN CONTACT:

CONTACT MAY DRY THE SKIN. PROLONGED CONTACT MAY CAUSE MODERATE IRRITATION. NOT EASILY ABSORBED. SOLVENT ACTION CAN DRY AND DEFAT THE SKIN CAUSING THE SKIN TO CRACK, LEADING TO DERMATITIS.

INHALATION:

RESPIRATORY IRRITATION, HEADACHE, NAUSEA, FATIGUE, DROWSINESS, IMPAIRED CO-ORDINATION.

INGESTION:

NOT A LIKELY ROUTE OF EXPOSURE.

FIRST AID MEASURES:

EYE CONTACT:

WASH IMMEDIATELY WITH LARGE VOLUMES OF FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

SKIN CONTACT:

WIPE OFF WITH TOWEL. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

INHALATION:

REMOVE TO FRESH AIR. ADMINISTER OXYGEN IF NEEDED. APPLY ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. GET MEDICAL ATTENTION.

INGESTION:

IF SWALLOWED, DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ADVICE AND/OR ATTENTION.


WORKPLACE EXPOSURE CONTROLS:

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RESPIRATORY PROTECTION:

NONE UNDER NORMAL USE. AVOID BREATHING VAPORS. IN RESTRICTED AREAS, USE APPROVED CHEMICAL/ MECHANICAL FILTERS DESIGNED TO REMOVE A COMBINATION OF PARTICLES AND VAPOR. IN CONFINED AREAS, USE APPROVED AIR LINE TYPE RESPIRATOR OR HOOD. SELF-CONTAINED BREATHING APPARATUS IS REQUIRED FOR VAPOR CONCENTRATIONS ABOVE PEL/TLV LIMITS.

VENTILATION:

SUFFICIENT TO PREVENT INHALATION OF SOLVENT VAPORS. GENERAL DILUTION AND/OR LOCAL EXHAUST VENTILATION IN VOLUME OR PATTERN TO KEEP PEL/TLV OF MOST HAZARDOUS INGREDIENT BELOW ACCEPTABLE LIMIT AND LEL BELOW STATED LIMIT.

PROTECTIVE GLOVES:

NONE UNDER NORMAL USE. SOLVENT RESISTANT REQUIRED FOR PROLONGED OR REPEATED CONTACT.

EYE PROTECTION:

NONE UNDER NORMAL USE; HOWEVER, USE OF SAFETY GLASSES WITH SPLASH GUARDS OR FULL FACE SHIELD IS RECOMMENDED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

NONE UNDER NORMAL USE; HOWEVER, USE OF SOLVENT RESISTANT APRONS OR OTHER CLOTHING IS RECOMMENDED.

WORK/HYGIENIC PRACTICES:

EYE WASHES AND SAFETY SHOWERS IN THE WORKPLACE ARE RECOMMENDED.

SECTION 4 FIRE & EXPLOSION HAZARDS

FLASH POINT: -156°F (ESTIMATED)

FLAMMABLE LIMITS IN AIR BY VOLUME: LOWER: 0.9 UPPER: 10

GENERAL HAZARD:

CLOSED CONTAINERS MAY EXPLODE FROM PRESSURE BUILD-UP WHEN EXPOSED TO EXTREME HEAT AND DISCHARGE CONTENTS. VAPOR ACCUMULATION CAN FLASH OR EXPLODE IF IGNITED. OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE READILY APPARENT. OBTAIN MEDICAL ATTENTION.

EXTINGUISHING MEDIA:

USE FOAM, CO2, DRY CHEMICAL, WATER FOG.

FIRE FIGHTING:

USE FOAM, CO2, DRY CHEMICAL, WATER FOG. WATER SPRAY MAY BE INEFFECTIVE. WATER MAY BE USED TO COOL CONTAINERS TO PREVENT PRESSURE BUILD-UP AND EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES ARE PREFERRED. WEAR GOGGLES AND SELF-CONTAINED BREATHING APPARATUS.

SECTION 5 SPILL CONTROL MEASURES

SPILL RESPONSE:

AVOID BREATHING VAPORS. VENTILATE AREA. REMOVE ALL SOURCES OF IGNITION. CLEAN UP AREA WITH ABSORBENT MATERIAL AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. BEFORE ATTEMPTING CLEAN UP, REFER TO OTHER SECTIONS OF

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THIS MSDS FOR HAZARD CAUTION INFORMATION.

SECTION 6 HANDLING & STORAGE

STORAGE TEMPERATURE, °F: DO NOT STORE ABOVE 120°F.

GENERAL: STORE AND USE IN COOL, DRY, WELL-VENTILATED AREAS. DO NOT PUNCTURE OR INCINERATE (BURN) CANS. DO NOT STICK PIN, NAIL OR ANY OTHER SHARP OBJECT INTO OPENING ON TOP OF CAN. DO NOT SPRAY IN EYES. DO NOT TAKE INTERNALLY. SEE PRODUCT LABEL FOR ADDITIONAL INFORMATION. DO NOT STORE IN BASEMENTS.

OTHER PRECAUTIONS: SMALL PRESSURIZED CONTAINERS OF FLAMMABLE PRODUCTS MAY BE STORED IN AREAS SUITABLE FOR ORDINARY COMBUSTIBLES WITH RESPECT TO CONSTRUCTION, DRAINAGE, CONTROL OF IGNITION SOURCES, AND VENTILATION EXCEPT THAT THEY SHOULD NOT BE STORED IN BASEMENTS.

SECTION 7 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

BOILING RANGE, °F:

-44°F THROUGH 500°F

EVAPORATION RATE:

SLOWER THAN ETHER

SOLUBILITY IN WATER:

NIL

SPECIFIC GRAVITY AT 75°F:

0.80

ODOR AND APPEARANCE: AEROSOL PRODUCT

VAPOR DENSITY (AIR = 1):

HEAVIER THAN AIR

VAPOR PRESSURE, mm HG AT °F:

PETRO (68476-30-2)	0.5	68
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PETRO (64742-88-7)	0.6	68
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PETROLEUM OIL	0.001	77
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PROPANE	6350	68
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SECTION 8 REACTIVITY DATA

GENERAL: STABLE. HAZARDOUS POLYMERIZATION WILL NOT OCCUR. MAY PRODUCE FUMES WHEN HEATED TO DECOMPOSITION. FUMES MAY CONTAIN CARBON MONOXIDE.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

APPLICATION TO HOT SURFACES, STORAGE ABOVE 120°F., EXPOSURE TO OPEN FLAME. STRONG OXIDIZING AGENTS.

SECTION 9 REGULATORY INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT):

PROPER SHIPPING NAME: CONSUMER COMMODITY

HAZARD CLASS: ORM-D

IDENTIFICATION NUMBER: NONE

PACKING GROUP: N/A

LABEL: NONE

FLASH POINT: -156°F, ESTIMATED

TSCA: ALL COMPONENTS ARE LISTED IN THE INVENTORY

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CERCLA: UNKNOWN

RCRA HAZARD CLASS: IGNITABLE (D001)

SARA TITLE III:

311/312 HAZARD CATEGORIES: ACUTE HEALTH, FIRE

313 REPORTABLE INGREDIENTS: NONE

NEW JERSEY RIGHT-TO-KNOW INFORMATION:

THIS PRODUCT CONTAINS: PETROLEUM DISTILLATE (8008-20-6), PETROLEUM DISTILLATE (64742-88-7), PETROLEUM OIL (64742-65-0), PROPANE (74-98-6), OXIDIZED HYDROCARBONS (MIXTURE)

CALIFORNIA PROPOSITION 65 INFORMATION: NONE

SCAQMD INFORMATION: NOT APPLICABLE

IS THERE A PHOTOCHEMICALLY REACTIVE MATERIAL PRESENT?

WHAT IS THE % BY VOLUME OF PHOTOCHEMICALLY REACTIVE MATERIAL?

WHAT IS THE VOC CONTENT?

WHAT IS THE VAPOR PRESSURE OF VOC'S?

SECTION 10 NOTES

HAZARD RATING SYSTEMS:

	HMIS	NFAA
HEALTH	1	1
FLAMMABILITY	4	4
REACTIVITY	0	0

KEY
4 = SEVERE
3 = SERIOUS
2 = MODERATE
1 = SLIGHT
0 = MINIMAL

REVISION SUMMARY:
NONE

SUPERSEDES ISSUE DATE:

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