

# MATERIAL SAFETY DATA SHEET

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

T&B CATALOG NUMBER: 15-303TB

PAGE: 1 OF 4

REVISION: 4 -

PRODUCT DESCRIPTION: CUTTING AND TAPPING OIL (AEROSOL)

DATE PREPARED: JUNE 23, 1998

DOCUMENT NUMBER: MSDS0038

## SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: CUTTING AND TAPPING OIL

GENERAL USE: LUBRICANTS AND COOLS CUTTING TOOLS WHEN DRILLING, TAPPING, THREADING, REAMING, BORING AND BROACHING.

PRODUCT DESCRIPTION: CUTTING AND TAPPING 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 <sup>3</sup> )				WT. %
		OSHA PEL	ACGIH TLV	STEL		
PETROLEUM OIL, PARAFFINIC OIL	64742-65-0	5.0 MG/M3(AS OIL MIST)	N/A	N/A		68.
*PERCHLOROETHYLENE	127-18-4	100 PPM	25 PPM	100		26.3
CARBON DIOXIDE	124-38-9	10000 PPM	5000 PPM	N/A		3

\* INDICATES TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 372.

## SECTION 3 HEALTH INFORMATION & PROTECTION

### HEALTH HAZARDS:

#### ACUTE:

EYE IRRITANT. SKIN IRRITANT. NARCOTIC IN HIGH CONCENTRATIONS.

#### CHRONIC:

OVEREXPOSURE HAS CAUSED LIVER TOXIC EFFECTS IN LABORATORY RATS.

### CARCINOGENICITY:

NTP CARCINOGEN: YES IARC MONOGRAPHS: YES OSHA REGULATED: YES

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

ACUTE & CHRONIC LIVER AND KIDNEY DISEASE, ANEMIA, CORONARY DISEASE OR RHYTHM DISORDERS OF THE HEART.

### POTENTIAL HEALTH EFFECTS:

#### EYE CONTACT:

LIQUID OR VAPOR CAN IRRITATE; PROLONGED CONTACT MAY LEAD TO CORNEAL DAMAGE.

#### SKIN CONTACT:

CONTACT MAY DRY THE SKIN; PROLONGED CONTACT MAY CAUSE MODERATE IRRITATION. NOT EASILY ABSORBED. HOWEVER, 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.

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## 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:

### 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: 390°F

METHOD USED: PMCC

FLAMMABLE LIMITS IN THE AIR BY VOLUME: LOWER: 1 UPPER: 10

AUTOIGNITION TEMPERATURE: N/A

### EXTINGUISHING MEDIA:

FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG.

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

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CLOSED CONTAINERS MAY EXPLODE FROM INTERNAL 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.

## SPECIAL FIRE FIGHTING PROCEDURES:

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 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.

## SECTION 7 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

### BOILING RANGE, °F:

250°F THROUGH 500°F

### EVAPORATION RATE, ACETONE = 1:

UNKNOWN

### SOLUBILITY IN WATER:

NIL

### SPECIFIC GRAVITY AT 75°F:

1.00

ODOR AND APPEARANCE: AEROSOL PRODUCT

### VAPOR DENSITY (AIR = 1):

UNKNOWN

### VAPOR PRESSURE, MM HG AT °F:

PETROLEUM OIL	0.001	77
PERCHLOROETHYLENE	13	68
CARBON DIOXIDE	38650	60

## SECTION 8 REACTIVITY DATA

### GENERAL:

STABLE. HAZARDOUS POLYMERIZATION WILL NOT OCCUR. MAY PRODUCE FUMES WHEN HEATED TO DECOMPOSITION. FUMES MAY CONTAIN CARBON MONOXIDE, HYDROGEN CHLORIDE, AND CHLORINE.

### INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

STRONG OXIDIZING AGENTS, APPLICATION TO HOT SURFACES, EXPOSURE TO OPEN FLAME

## SECTION 9 REGULATORY INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT):

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**PROPER SHIPPING NAME:**

**HAZARD CLASS:**

**IDENTIFICATION NUMBER:**

**PACKING GROUP:**

**LABEL:**

**FLASH POINT:**

**TSCA**

**WHMIS (CANADA):**

**CERCLA:**

**RCRA HAZARD CLASS:**

**R-PHASES:**

**SARA TITLE III:**

311/312 HAZARD CATEGORIES:

313 REPORTABLE INGREDIENTS:

**NEW JERSEY RIGHT-TO-KNOW INFORMATION:**

THIS PRODUCT CONTAINS:

**CALIFORNIA PROPOSITION 65 INFORMATION:**

**SCAQMD INFORMATION:**

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
HEALTH	2
FLAMMABILITY	2
REACTIVITY	0

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

**REVISION SUMMARY:**

NONE

**SUPERSEDES ISSUE DATE:**

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