

# MSDS

## MATERIAL SAFETY DATA SHEET

---

### SECTION 1 - CHEMICAL AND COMPANY IDENTIFICATION / HAZARD RATINGS

PRODUCT IDENTITY:

**PMT 50/50**

COMPANY IDENTITY:

PUMPELLY OIL COMPANY  
1890 SWISCO ROAD  
SULPHUR, LA 70665  
PHONE: 337-625-1117  
EMERGENCY PHONE: 1-800-633-8253

HAZARD RATINGS:

HEALTH (NFPA): 2  
HEALTH (HMIS): 1  
FLAMMABILITY: 3  
REACTIVITY: 0

---

### SECTION 2 - INGREDIENT & REGULATORY INFORMATION

ALL COMPONENTS OF THIS PRODUCT ARE ON THE TSCA LIST.

SARA TITLE III SECTION 313 SUPPLIER NOTIFICATION:

THIS PRODUCT CONTAINS THE INDICATED (\*) CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW ACT OF 1986 & OF 40 CFR 372. THIS INFORMATION MUST BE INCLUDED IN ALL MSDSs THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

SARA TITLE III INGREDIENTS:

**\*TOLUENE**

CAS #: 108-88-3  
WT. %: 51  
REG. SECTION: 311,312,313,RCRA  
RQ (LBS): 1000

**\*METHYL ETHYL KETONE**

CAS #: 78-93-3  
WT. %: 48  
REG. SECTION: (311, 312, 313, RCRA)  
RQ (LBS): 5000

SARA SECTION 311/312 HAZARDS - ACUTE HEALTH, FIRE:

**TOLUENE**

CAS #: 108-88-3  
TWA (OSHA): 200 PPM  
TLV (ACGIH): 50 PPM  
HAP: YES

**METHYL ETHYL KETONE**

CAS #: 78-93-3  
TWA (OSHA): 200 PPM  
TLV (ACGIH): 200 PPM  
HAP: YES

IN ADDITION TO EPA HAZARDOUS AIR POLLUTANTS SHOWING 'YES' UNDER "HAP" ABOVE, USING MANUFACTURERS' DATA, BASED ON EPA METHOD 311, THE FOLLOWING EPA HAZARDOUS AIR POLLUTANTS MAY BE PRESENT IN TRACE AMOUNTS (LESS THAN 0.1%): BENZENE, MIXED XYLENAS, ETHYLBENZENE

MATERIAL:

**METHYL ETHYL KETONE**

CAS #: 78-93-3  
CEILING: NONE KNOWN  
STEL (OSHA / ACGIH): 300 PPM

CALIFORNIA PROPOSITION 65:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER & REPRODUCTIVE TOXICITY: BENZENE, TOLUENE.

IF > 1925 POUNDS OF THIS PRODUCT IS IN ONE CONTAINER THE "RQ" IS EXCEEDED.

DOT SHIPPING NAME:  
PAINT RELATED MATERIAL - 3, UN1263, PG-11

DRUM LABEL:  
(FLAMMABLE LIQUID)

---

### SECTION 3 - HAZARDS IDENTIFICATION

TOLUENE:  
LD50 (ORAL) 3000.0 mg/kg (RATS)  
LD50 (SKIN) 4000.0 mg/kg (RABBITS)

METHYL ETHYL KETONE:  
LC50 (VAPORS) 2000 PPM (RATS)

THRESHOLD LIMIT VALUE: 80 PPM (EVAPORATED BLEND)

EYE & SKIN CONTACT:  
PRIMARY IRRITATION TO SKIN, DEFATTING, DERMATITIS.  
ABSORPTION THRU SKIN, INCREASES EXPOSURE.  
PRIMARY IRRITATION TO EYES, REDNESS, TEARING, BLURRED VISION.  
LIQUID CAN CAUSE EYE IRRITATION. WASH THOROUGHLY AFTER HANDLING.

INHALATION:  
ANESTHETIC. IRRITATES RESPIRATORY TRACT. ACUTE OVEREXPOSURE CAN CAUSE SERIOUS NERVOUS SYSTEM DEPRESSION. VAPOR HARMFUL. ACUTE OVEREXPOSURE CAN CAUSE DAMAGE TO KIDNEYS, BLOOD, NERVES, LIVER, & LUNGS.

SWALLOWING:  
HARMFUL OR FATAL IF SWALLOWED. SWALLOWING CAN CAUSE ABDOMINAL IRRITATION, NAUSEA, VOMITING, & DIARRHEA.

SUBCHRONIC HAZARDS/CONDITIONS AGGREGATED:  
CHRONIC OVEREXPOSURE CAN CAUSE DAMAGE TO KIDNEYS, BLOOD, NERVES, LIVER, AND LUNGS. PERSONS WITH SEVERE SKIN, LIVER, OR KIDNEY PROBLEMS SHOULD AVOID USE.

CANCER, REPRODUCTIVE, AND OTHER CHRONIC HAZARDS:  
THIS PRODUCT HAS NO CARCINOGENS LISTED BY IARC, NTP, NIOSH, OSHA, OR ACGIH, AS OF THIS DATE, GREATER OR EQUAL TO 0.1%. THIS PRODUCT MAY CONTAIN LESS THAN 1 PPM OF BENZENE. NOT CONSIDERED HAZARDOUS IN SUCH LOW CONCENTRATION. ABSORPTION THRU SKIN MAY BE HARMFUL. STUDIES WITH LABORATORY ANIMALS INDICATE THIS PRODUCT CAN CAUSE DAMAGE TO FETUS.

---

### SECTION 4 - FIRST AID MEASURES PROCEDURES

EYE CONTACT:  
FLUSH WITH PLENTY OF WATER FOR 15 MINUTES AND GET MEDICAL ATTENTION.

SKIN CONTACT:  
IN CASE OF CONTACT WITH SKIN IMMEDIATELY REMOVE CONTAMINATED CLOTHING. WASH THOROUGHLY WITH SOAP AND WATER. WASH CONTAMINATED CLOTHING BEFORE REUSE. DISCARD CONTAMINATED SHOES.

INHALATION:  
AFTER HIGH VAPOR EXPOSURE, REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. CALL A PHYSICIAN IMMEDIATELY!

SWALLOWING:  
IF SWALLOWED, CALL A PHYSICIAN IMMEDIATELY! DO NOT INDUCE VOMITING. HAVE PATIENT LIE DOWN AND KEEP WARM. VOMITING MAY LEAD TO PNEUMONITIS, WHICH MAY BE FATAL.

---

### SECTION 5 - FIRE FIGHTING MEASURES

AUTOIGNITION TEMPERATURE:	458°C / 858°F (LOWEST COMPONENT)
LOWER FLAMMABLE LIMIT IN AIR (% BY VOL):	1.6
FLASH POINT ( TEST METHOD):	-2°C / 28°F (TCC) (LOWEST COMPONENT)
FLAMMABILITY CLASSIFICATION:	CLASS 1 B

EXTINGUISHING MEDIA:

NFPA CLASS B EXTINGUISHERS (CARBON DIOXIDE OR FOAM) FOR CLASS 1 B LIQUID FIRES.

SPECIAL FIRE FIGHTING PROCEDURES:

WATER SPRAY MAY BE INEFFECTIVE ON FIRE BUT CAN PROTECT FIRE-FIGHTERS AND COOL CLOSED CONTAINERS. USE FOG NOZZLES IF WATER IS USED. DO NOT ENTER CONFINED FIRE-SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES, AND RUBBER BOOTS). USE NIOSH APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL EXPLOSION AND FIRE PROCEDURES:

FLAMMABLE!!! KEEP CONTAINER TIGHTLY CLOSED. ISOLATE FROM OXIDIZERS, HEAT, SPARKS, ELECTRIC EQUIPMENT AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE IF EXPOSED TO EXTREME HEAT. APPLYING TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. EMPTY CONTAINERS ARE VERY HAZARDOUS! CONTINUE ALL LABEL PRECAUTIONS.

---

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

SPILL OR LEAK PROCEDURES:

STOP SPILL AT SOURCE. DIKE AREA AND CONTAIN. CLEAN UP REMAINDER WITH ABSORBENT MATERIALS. MOP UP AND DISPOSE OF. PERSONS WITHOUT PROPER PROTECTION SHOULD BE KEPT FROM AREA UNTIL CLEANED UP.

WASTE DISPOSAL METHOD:

RECYCLE OR DISPOSE OF OBSERVING LOCAL, STATE, AND FEDERAL HEALTH, SAFETY AND POLLUTION LAWS. IF QUESTION EXIST, CONTACT THE APPROPRIATE AGENCIES.

---

**SECTION 7 - HANDLING AND STORAGE**

HANDLING:

ISOLATE FROM OXIDIZERS, HEAT, SPARKS, ELECTRIC EQUIPMENT, AND OPEN FLAMES. USE ONLY WITH ADEQUATE VENTILATION. AVOID BREATHING OF VAPOR OR SPRAY MIST. AVOID CONTACT WITH SKIN AND EYES. WEAR OSHA STANDARD GOGGLES OR FACE SHIELD. CONSULT SAFETY EQUIPMENT SUPPLIER. WEAR GLOVES, APRON, AND FOOTWEAR IMPERVIOUS TO THIS MATERIAL. WASH CLOTHING BEFORE REUSE. AVOID FREE FALL OF LIQUID. GROUND CONTAINERS WHEN TRANSFERRING. DO NOT FLAME CUT, SAW, DRILL, BRAZE, OR WELD. EMPTY CONTAINERS ARE VERY HAZARDOUS! CONTINUE ALL LABEL PRECAUTIONS.

STORAGE:

DO NOT STORE ABOVE 49°C / 120°F. STORE LARGE AMOUNTS IN STRUCTURES MADE FOR OSHA CLASS 1 B LIQUIDS. KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE TO PREVENT LEAKAGE.

---

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

EXPOSURE CONTROLS:

VENTILATE TO KEEP VAPORS OF THIS MATERIAL BELOW 40 PPM. IF OVER TLV, IN ACCORDANCE WITH 29 CFR 1910.134, USE NIOSH APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS. CONSULT SAFETY EQUIPMENT SUPPLIER. USE EXPLOSION-PROOF EQUIPMENT.

VENTILATION:

LOCAL EXHAUST:	NECESSARY
MECHANICAL:	ACCEPTABLE
SPECIAL:	NONE
OTHER:	NONE

PERSONAL PROTECTION:

WEAR OSHA STANDARD GOGGLES OR FACE SHIELD. CONSULT SAFETY EQUIPMENT SUPPLIER. WEAR GLOVES, APRON, AND FOOTWEAR IMPERVIOUS TO THIS MATERIAL. WASH CLOTHING BEFORE REUSE.

---

**SECTION 9 - PHYSICAL DATA**

APPEARANCE: LIQUID, WATER-WHITE

ODOR: KETONE

BOILING RANGE: 77 96 111 C / 172 205 232 F

GRAVITY @ 60 F:

API: 37.5

SPECIFIC GRAVITY (WATER=1): .838

POUNDS/GALLON: 6.976

VOC'S (>0.44 LBS/SQ IN): 100.0 VOL. % / 837.5 G/L / 6.976 LBS/GAL  
TOTAL VOC'S (TVOC): 100.0 VOL. % / 837.5 G/L / 6.976 LBS/GAL  
NONEXEMPT VOC'S (CVOC): 100.0 VOL. % / 837.5 G/L / 6.976 LBS/GAL  
VAPOR PRESSURE (mm of Hg) @ 20 C: 48.5  
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C): 48.5  
VAPOR DENSITY: (air = 1): 309  
WATER ABSORPTION: APPRECIABLE

SOLVENCY PARAMETERS:

HKB (HYDROGEN BONDING): 23.2  
PKP (POLARITY): 41.6  
DKB (DISPERSION): 35.2

REFRACTIVE INDEX: 1.437  
MIXED ANILINE POINT (ACID INSOL): 8 C / 48 F

---

**SECTION 10 - REACTIVITY DATA**

STABILITY:  
STABLE

CONDITIONS TO AVOID:  
ISOLATE FROM STRONG OXIDIZERS SUCH AS PERMANGANATES, CHROMATES, AND PEROXIDES.

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON MONOXIDE. CARBON DIOXIDE FROM BURNING.

HAZARDOUS POLYMERIZATION:  
WILL NOT OCCUR

---

**NOTICE**

THE SUPPLIER DISCLAIMS ALL EXPRESSED OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A SPECIFIC USE, WITH RESPECT TO THE PRODUCT OR THE INFORMATION PROVIDED HEREIN, EXCEPT FOR CONFORMANCE TO CONTRACTED SPECIFICATIONS. ALL INFORMATION APPEARING HEREIN IS BASED UPON DATA OBTAINED FROM MANUFACTURERS AND/OR RECOGNIZED TECHNICAL SOURCES. WHILE THE INFORMATION IS BELIEVED TO BE ACCURATE, WE MAKE NO REPRESENTATIONS AS TO ITS ACCURACY OR SUFFICIENCY. CONDITIONS OF USE ARE BEYOND OUR CONTROL, AND THEREFORE USERS ARE RESPONSIBLE FOR VERIFYING THE DATA UNDER THEIR OWN OPERATING CONDITIONS TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PARTICULAR PURPOSES AND THEY ASSUME ALL RISKS IN REGARDS TO THE PUBLICATION OR USE OF, OR RELIANCE UPON, INFORMATION CONTAINED HEREIN. THIS INFORMATION RELATES ONLY TO THE PRODUCT DESIGNATED HEREIN, AND DOES NOT RELATE TO ITS USE IN COMBINATION WITH ANY OTHER MATERIAL OR PROCESS.