

# Pumpelly Oil Company

## MSDS

### MATERIAL SAFETY DATA SHEET

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#### SECTION I

PRODUCT NAME OR NUMBER (AS IT APPEARS ON LABEL):

LEEVAC THINNER

MANUFACTURER'S NAME:

PUMPELLY OIL COMPANY

EMERGENCY TELEPHONE NO.:

1-800-633-8253

ADDRESS:

1890 SWISCO ROAD, SULPHUR, LA 70665

HAZARDOUS MATERIALS DESCRIPTION, SHIPPING NAME, HAZARD CLASS ID NO.:

PLANT RELATED MATERIAL UN-1263

ADDITIONAL HAZARD CLASSES (AS APPLICABLE):

FLAMMABLE LIQUID

CHEMICAL FAMILY:

SOLVENT BLEND

FORMULA:

SOLVENT BLEND

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#### SECTION II

##### **INGREDIENTS:**

TOLUENE:

CAS REGISTRY - 108-88-3

% V - 50-60

% W - 56.8\*

EXPOSURE LIMITS IN AIR (PPM): TWA STEL 50 | ACGIH 100 | OSHA 150 | VENDOR 100

LISTED AS CARCINOGEN IN NTP IARC OR OSHA 1910: NO

METHANOL:

CAS REGISTRY 67-56-1

% V - 35-45

% W - 37.8\*

LISTED AS CARCINOGEN IN NTP IARC OR OSHA 1910: NO

METHYL ALCOHOL:

EXPOSURE LIMITS IN AIR (PPM): TWA STEL 200 | ACGIH 200 | OSHA 250 | VENDOR 200

ETHYLENE GLYCOL:

CAS REGISTRY 111-76-2

% V - 1-10

% W - 5.4\*

LISTED AS CARCINOGEN IN NTP IARC OR OSHA 1910: NO

MONOBUTYL ETHER:

EXPOSURE LIMITS IN AIR (PPM): TWA STEL 50 | ACGIH 100 | OSHA N/E | VENDOR 100

\*TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 372.

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## SECTION III

### **PHYSICAL DATA:**

BOILING RANGE 146-325 °F

VAPOR PRESSURE 51.202 @ 68°F

VAPOR DENSITY (AIR=1) 1.85

SOLUBILITY IN WATER 45.0%

APPEARANCE AND ODOR - WATER WHITE LIQUID

PHYSICAL STATE: LIQUID

SPECIFIC GRAVITY (H2O=1) 0.8378

PERCENT VOLATILE BY VOLUME 100.0%

PERCENT SOLID BY WEIGHT 0.0%

EVAPORATION RATE - SLOWER THAN ETHER

pH - NONE

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## SECTION IV

### **FIRE AND EXPLOSION HAZARD DATA:**

FLASH POINT 36 °F

LEL - 1.00%

UEL - 36.50%

METHOD USED - FLAMMABLE LIMITS

### **EXTINGUISHING MEDIA:**

CO2, DRY CHEMICAL, FOAM OR OTHER NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) APPROVED METHOD FOR TREATING A CLASS B FIRE.

### **SPECIAL FIRE FIGHTING PROCEDURES:**

SUMMON PROFESSIONAL FIRE FIGHTERS. USE FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS. WATER SPRAY MAY BE INEFFECTIVE. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. IF EXPOSED TO FIRE OR EXTREME HEAT, WATER SHOULD BE USED TO COOL CLOSED CONTAINERS AND PREVENT PRESSURE BUILD-UP OR POSSIBLE AUTO-IGNITION.

### **UNUSUAL FIRE AND EXPLOSION HAZARDS:**

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATED FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS, AND FLAME. VAPORS MAY CAUSE FLASH FIRE. VAPORS MAY IGNITE EXPLOSIVELY. VAPORS MAY SPREAD LONG DISTANCES TO EXTREME HEAT MAY EXPLODE. NEVER USE A WELDING OR CUTTING TORCH ON OR NEAR CONTAINER (EVEN EMPTY) AS PRODUCT OR ITS RESIDUE MAY IGNITE. DURING EMERGENCY CONDITIONS OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.

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## SECTION V

### **HEALTH HAZARD DATA:**

THRESHOLD LIMIT VALUE - SEE SECTION II

PERMISSIBLE EXPOSURE LIMIT - SEE SECTION II

OTHER LIMIT - SEE SECTION II

### **Effects of overexposure:**

ACUTE BREATHING - IRRITATION OF THE RESPIRATORY TRACT; HEADACHE, NAUSEA, DIZZINESS, - SEVERE IRRITANT.

SKIN CONTACT - PROLONGED AND REPEATED LIQUID CONTACT CAN CAUSE DEFATTING AND DRYING OF THE SKIN, WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS. MAY BE ABSORBED BY THE SKIN.

SWALLOWING - MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. CANNOT BE MADE NON-POISONOUS.

CHRONIC - REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

PRIMARY ROUTES OF ENTRY - INHALATION, SKIN CONTACT, SWALLOWING

**EMERGENCY AND FIRST AID PROCEDURES:**

**IF BREATHED:**

IF YOU EXPERIENCE DIFFICULTY IN BREATHING, LEAVE THE AREA TO OBTAIN FRESH AIR. IF CONTINUED DIFFICULTY IS EXPERIENCED, SUMMON MEDICAL ASSISTANCE IMMEDIATELY. IF BREATHING CEASES, RESTORE USING APPROVED CPR TECHNIQUES AND SUMMON MEDICAL ASSISTANCE IMMEDIATELY.

**IF IN EYES:**

FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ASSISTANCE.

**IF ON SKIN:**

WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE SOILED CLOTHING. GET MEDICAL ASSISTANCE IF IRRITATION PERSISTS. WASH CLOTHING BEFORE REUSE.

**IF SWALLOWED:**

INDUCE VOMITING. GIVE WARM WATER AND REPEAT UNTIL VOMIT FLUID IS CLEAR. CONTACT A PHYSICIAN IMMEDIATELY.

**MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:**

NONE WHEN USED IN ACCORDANCE WITH SPECIAL PROTECTION INFORMATION (SEE SECTION VIII).

**WARNING:**

INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

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**SECTION VI**

**REACTIVITY DATA:**

STABILITY - STABLE

CONDITIONS TO AVOID - HEAT, SPARKS, FLAME

INCOMPATIBILITY (MATERIALS TO AVOID) - STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS - THERMAL DECOMPOSITION MAY YIELD CARBON MONOXIDE AND CARBON DIOXIDE.

HAZARDOUS POLYMERIZATION - WILL NOT OCCUR

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**SECTION VII**

**SPILL OR LEAK PROCEDURES:**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

REMOVE ALL SOURCES OF IGNITION (FLAMES, HOT SURFACES, AND ELECTRICAL, STATIC, OR FRICTIONAL SPARKS). DO NOT SMOKE. PREVENT BREATHING VAPORS. VENTILATE AREA. BEFORE ATTEMPTING CLEAN-UP, REFER TO HAZARD CAUTION INFORMATION IN THE OTHER SECTION OF THIS MATERIAL SAFETY DATA FORM. DIKE AND CONTAIN SPILLED MATERIAL

AND REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS. STORE IN CLOSED CONTAINER UNTIL PROPERLY DISPOSED OF.

WASTE DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. INCINERATE ONLY IN APPROVED FACILITY. DO NOT INCINERATE CLOSED CONTAINERS.

CERCLA (SUPERFUND) REPORTABLE QUANTITY (IN LBS):

ONE POUND OR REFER TO SECTION 311 CLEAN WATER ACT.

RCRA HAZARDOUS WASTE NO. (40 CFR 261.33):

D-001, F-003 - NOTE: NUMBERS APPLY TO THINNER BLEND ONLY.

VOLATILE ORGANIC COMPOUND (VOC) (AS PACKAGED, MINUS WATER):

100%

THEORETICAL - 6.925 LB/GAL

ANALYTICAL - 6.947 LB/GAL

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**SECTION VIII**

**SPECIAL PROTECTION INFORMATION:**

RESPIRATORY PROTECTION:

WHEN USED IN RESTRICTED VENTILATION AREAS, WEAR NIOSH/MSHA APPROVED CHEMICAL/MECHANICAL FILTERS DESIGNED TO REMOVE A COMBINATION OF PARTICULATES AND VAPOR. WHEN USED IN CONFINED AREAS, WEAR NIOSH/MSHA APPROVED AIR SUPPLY RESPIRATOR HOODS. FOLLOW RESPIRATOR MANUFACTURER'S DIRECTIONS FOR RESPIRATOR USE. IF RESPIRATORS ARE USED, A PROGRAM SHOULD BE ESTABLISHED TO ASSURE COMPLIANCE WITH OSHA STANDARD 29 CFR 1910.134.

VENTILATION:

USE ONLY WITH ADEQUATE VENTILATION. USE EITHER LOCAL EXHAUSE OR MECHANICAL TO MEET TLV REQUIREMENTS. VENTILATION MUST BE SUFFICIENT TO LIMIT EMPLOYEE EXPOSURE AT, OR BELOW, APPLICABLE HEALTH AND SAFETY STANDARDS. HEAVY SOLVENT VAPORS SHOULD BE REMOVED FROM LOWER LEVELS OF WORK AREA.

PROTECTIVE GLOVES:

NEOPRENE OR EQUIVALENT

EYE PROTECTION:

SOLVENT RESISTANT SAFETY EYEWEAR WITH SPLASH GUARDS.

OTHER PROTECTIVE EQUIPMENT:

EYE BATH AND SAFETY SHOWER. SOLVENT IMPERMEABLE CLOTHING TO PREVENT SKIN CONTACT.

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**SECTION IX**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

KEEP AWAY FROM HEAT, SPARKS, AND FLAME. DO NOT SMOKE. EXTINGUISH ALL PILOT LIGHTS AND TURN OFF ALL SOURCES OF IGNITION INCLUDING HEATERS, FANS, AND OTHER NON-EXPLOSION-PROOF ELECTRICAL EQUIPMENT, DURING USE AND UNTIL ALL VAPORS ARE GONE. VAPORS MAY IGNITE EXPLOSIVELY. VAPORS MAY SPREAD LONG DISTANCE AND BEYOND CLOSED DOORS. PREVENT BUILD-UP OF VAPORS BY MAINTAINING CONTINUOUS FLOW OF FRESH AIR. KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT TRANSFER CONTENTS TO BOTTLES OR OTHER UNLABELED CONTAINERS. DO NOT REUSE EMPTY CONTAINERS. KEEP OUT OF REACH OF CHILDREN.

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