

MSDS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME (AS IT APPEARS ON LABEL)

P-11 CLEANING THINNER (NEW)

MANUFACTURER'S NAME

PUMPELLY OIL, INC.
3940 HIGHWAY 14
LAKE CHARLES, LA 70605

EMERGENCY TELEPHONE: 1-800-633-8253

**HAZARDOUS MATERIALS DESCRIPTION, PROPER SHIPPING NAME,
HAZARD CLASS ID #**

PAINT RELATED MATERIAL UN-1263

ADDITIONAL HAZARD CLASSES (AS APPLICABLE)

FLAMMABLE LIQUID

CHEMICAL FAMILY AND FORMULA

SOLVENT BLEND

INGREDIENTS

CAS REGISTRY NO.	% V	% W	CHEMICAL NAMES	EXPOSURE LIMITS IN AIR		LISTED AS A CARCINOGEN IN NTP LARC OR OSHA 1910
				TWA	STEL	
108-88-3	17-27	45.2*	TOLUOL	50	50 75 50	NO
67-54-3	53-63	35.6*	ACETONE	850	850 1050 1050	NO
67-56-1	15-25	19.2*	METHANOL	SKIN	200 200 250 200	NO

* Toxic chemical or chemicals subject to the reporting requirements of section 313 of Title III and or 40 CFR 372.

PHYSICAL DATA

BOILING RANGE	115-216
SPECIFIC GRAVITY (H2O=1)	.8241
VAPOR PRESSURE	97.32 @ 68 F
PERCENT VOLATILE BY VOLUME	100%
PERCENT SOLID BY WEIGHT	0%
VAPOR DENSITY (AIR = 1)	2.0
SOLUBILITY IN WATER	49%
EVAPORATION RATE	SLOWER THAT ETHER

pH	NOT APPLICABLE
APPEARANCE AND ODOR	WATER WHITE LIQUID
PHYSICAL STATE	LIQUID

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 14 C

FLAMMABLE LIMITS

LEL	UEL
1.0%	36.0%

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 FIREFIGHTERS. 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. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND FLAME. VAPORS MAY CAUSE FLASH FIRE. VAPORS MAY IGNITE EXPLOSIVELY. VAPORS MAY SPREAD LONG DISTANCES AND BEYOND CLOSED DOORS. DUE TO PRESSURE BUILD-UP, CLOSED CONTAINERS EXPOSED 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.

HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: SEE 'INGREDIENTS' SECTION

PERMISSIBLE EXPOSURE LIMIT: SEE 'INGREDIENTS' SECTION

OTHER LIMIT: SEE 'INGREDIENTS' SECTION

Effects of overexposure:

ACUTE - BREATHING:

IRRITATION OF THE RESPIRATORY TRACT, HEADACHE, NAUSEA, DIZZINESS, WEAKNESS, AND FATIGUE. EXTREME EXPOSURE CAN RESULT IN UNCONSCIOUSNESS AND EVEN RESPIRATORY ARREST.

EYE CONTACT:

SEVERE IRRITANT.

SKIN CONTACT:

PROLONGED AND REPEATED LIQUID CONTACT CAN CAUSE DEFATTING AND DRYING OF SKIN, WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS.

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 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 25 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 OVEREXPOSURE:

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

WARNING:

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

REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: HEAT, SPARKS, FLAME

INCOMPATIBILITY: STRONG OXIDIZING AGENTS

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

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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 OTHER SECTIONS OF THIS MATERIAL SAFETY 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

F-005

NOTE: NUMBERS APPLY TO SOLVENT BLEND ONLY.

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

100%

THEORETICAL - 4.07 LB/GAL

ANALYTICAL - 4.07 LB/GAL

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 RESPIRATORS OR 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 EXHAUST 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.

SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage:

KEEP AWAY FROM HEAT, SPARKS, AND FLAME. DO NOT SMOKE. EXTINGUISH ALL PILOT LIGHTS AND TURN OFF ALL SOURCES OR 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 DISTANCES BEYOND CLOSED DOORS. PREVENT BUILD-UP OF VAPORS BY MAINTAINING CONTINUOUS FLOW OF FRESH AIR. DO NOT STORE ABOVE 120 F OR NEAR FIRE OR OPEN FLAME. STORE LARGE QUANTITIES IN BUILDINGS TO COMPLY WITH OSHA 1910.106. KEEP CONTAINER 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.

DATED: 4-20-94