

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER:	EMERGENCY TELEPHONE NO.:
PUMPS INTERNATIONAL, INC.	408) 776-0259
ADDRESS: 18675 ADAMS COURT, SUITE #D, MORGAN HILL, CA 95037	
CHEMICAL NAME AND SYNONYMS:	TRADE NAME AND SYNONYMS:
LUBRICATING OIL	M-20
CHEMICAL FAMILY:	
REFINED PETROLEUM	FORMULA

SECTION II – HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES & SOLVENTS	%	TLV	ALLOYS AND METALLIC COATINGS	%	TLV
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL/COATING OR CORE FLUX		
ADDITIVES			OTHERS		
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS OR GASES				%	TLV

SECTION III – PHYSICAL DATA

BOILING POINT	399°C	SPECIFIC GRAVITY (H2O=1)	.88
VAPOR PRESSURE	mmHG(25°C)	PERCENT, VOLATILE	NEGLIGIBLE
	<4x10 ⁻⁵	BY VOLUME (%)	
VAPOR DENSITY (AIR=1)	(AIR=1):>1	EVAPORATION RATE:	<1
		(BUTYL ACETATE=1)	
SOLUBILITY IN WATER: %BY WT	NEGLIGIBLE		
APPEARANCE AND ODOR	AMBER LIQUID, BLAND ODOR		

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

		LEL	UEL
FLASHPOINT	COC, 232°C	FLAMMABLE LIMITS	N/A
EXTINGUISHING MEDIA	CO2, DRY CHEMICAL, FOAM OR WATER FOG		
SPECIAL FIREFIGHTING PROCEDURES	NONE		
UNUSUAL FIRE AND EXPLOSION HAZARDS	WATER MAY CAUSE FROTHING		

M-20 M.S.D.S. (CONT)

SECTION V – HEALTH HAZARD DATA

THRESHOLD LIMIT CALUE: VENTILATION IS REQUIED WHEN WORK PLACE EXPOSURES EXCEED TLV.

EFFECTS OF OVER EXPOSURE: PROLONGED AND /OR FREQUENT CONTACT MAY CAUSE DRYING, CRACKING OR FOLLICULITIS.

EMERGENCY AND FIRST AID PROCEDURES-EYES AND SKIN: CLEAN AND WASH WITH WATER. INGESTION: SEEK MEDICAL HELP, DO NOT INDUCE VOMITING. INHALATION: REMOVE TO FRESH AIR, RESPIRATORY SUPPORT IF NECESSARY. SUBCUTANEOUS INJECTION IS A MEDICAL EMERGENCY..SEEK MEDICAL AID IMMEDIATELY.

SECTION VI – REACTIVITY DATA

STABILITY	UNSTABLE	CONDITIONS TO AVOID: NONE
	STABLE	X

INCOMPATIBILITY STRONG OXIDENTS

HAZARDOUS DECOMPOSITION PRODUCTS (THERMAL, UNLESS OTHERWISE SPECIFIED) CO, CO2

HAZARDOUS POLMERIZATION	MAY OCCUR	CONDITIONS TO AVOID: NONE
	WILL NOT OCCUR	

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE SOURCES OF HEAT AND IGNITION, PROVIDE ADEQUATE VENTILATION, AND CONTAIN LEAK.

ABSORB SMALL SPILLS WITH SUITABLE MATERIAL SUCH AS RAGS, STRAW OR SAND. REPORTS SPILLS AS REQUIRED TO APPROPRIATGE AURTOURITIES.

WASTE DISPOSAL METHOD: IS THE RESPONSIBILITY OF THE USER TO DETERMINE IF MATERIAL IS HAZERDOUS. CHECK BEFORE DISPOSING TO BE SURE YOU ARE IN COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS.

SECTION VIII – SPILL OR LEAK PROCEDURES

RESPIRATORY PROTECTION: NORMALLY NONE REQUIRED IF HIGH VAPOR OR MIST CONCENTRATIONS EXPECTED, USE RESPIRATOR APPROVED FOR ORGANIC VAPOR AND MISTS.

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL	OTHER

PROTECTIVE GLOVES: OIL IMPERVIOUS GLOVES IF FREQUENT OR PROLONGED CONTACT IS ANTICIPATED.

EYE PROTECTIONS: SAFETY GOGGLES, OR CHEMICAL SPLASH GOGGLES IF SPLASH IS ANTICIPATED.

OTHER PROTECTIVE EQUIPMENT: WEAR BODY COVERING WORK CLOTHERS TO AVOID PROLONGED OR REPEATED EXPOSURE, LAUNDER SOILED WORK CLOTHERS BEFORE REUSE.

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: DO NOT APPLY HEAT OR FLAME TO CONTAINER

STORE BELOW 150°F KEEP SEPARATE FROM STRON OXIDIZING AGENTS

OTHER PRECAUTIONS: EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE WHICH COULD INCLUDE FLAMABLE OR EXPLOSIVE VAPORS.