

M-20

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER:	EMERGENCY PHONE NO: 702-565-9384
PUMPS INTERNATIONAL, INC.	
161 N GIBSON RD	CONTACT: RALPH BROGAN
HENDERSON NV 89014	
CHEMICAL NAME AND SYNONYMS:	TRADE NAME AND SYNONYMS: M-20
LUBRICATING OIL	
CHEMICAL FAMILY:	FORMULA
REFINED PETROLEUM	

SECTION II- HAZARDOUS INGREDIENTS

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

SECTION III- PHYSICAL DATA

BOILING POINT	399°C	SPECIFIC GRAVITY (H ₂ O=1)	.88
VAPOR PRESSURE	mmHG(25°C)	PERCENT, VOLATILE	
	<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, 244°C	FLAMMABLE LIMITS	N/A
EXTINGUISHING MEDIA	CO ₂ , DRY CHEMICAL, FOAM OR WATER FOG		
SPECIAL FIREFIGHTING PROCEDURES	NONE		
UNUSUAL FIRE AND EXPLOSION HAZARDS	WATER MAY CAUSE FROTHING		

SECTION V- HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: VENTILATION IS REQUIRED WHEN WORK PLACE EXPOSURES EXCEED TLV.

SECTION V- HEALTH HAZARD DATA CONT.

EFFECTS 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
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STABLE	X
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INCOMPATIBILITY	STRONG OXIDIZENTS
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HAZARDOUS DECOMPOSITION PRODUCTS	(THERMAL, UNLESS OTHERWISE SPECIFIED)
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MAY OCCUR	CONDITIONS TO AVOID: NONE
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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 SOURCES OF HEAT AND IGNITION, PROVIDE ADEQUATE VENTILATION, AND CONTAIN LEAK.

ABSORB SMALL SPILLS WITH SUITABLE MATERIAL SUCH AS RAGS, STRAW OR SAND. REPORT SPILL AS REQUIRED TO APPROPRIATE AUTHORITIES.

WASTE DISPOSAL METHOD: IS THE RESPONSIBILITY OF THE USER TO DETERMINE IF MATERIAL IS HAZARDOUS. 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 & MIST

VENTILATION	LOCAL EXHAUST	SPECIAL
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MECHANICAL	OTHER
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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 CLOTHES TO AVOID PROLONGED OR REPEATED EXPOSURE, LAUNDRY SOILED WORK CLOTHES BEFORE USE.

SECTION IX- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: DO NOT APPLY HEAT OR FLAME TO CONTAINER, STORE BELOW 150°F, AND KEEP SEPARATE FROM STRONG OXIDIZING AGENTS. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE WHICH COULD INCLUDE FLAMABLE OR EXPLOSIVE VAPORS.

