

M-20 MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER:	EMERGENCY PHONE NO: 702-565-9384
PUMPS INTERNATIONAL, INC.	
1045 AMERICAN PACIFIC DRIVE	CONTACT: RALPH BROGAN
SUITE 100	
HENDERSON NV 89074	
CHEMICAL NAME AND SYNONYMS:	TRADE NAME AND SYNONYMS: M-20
LUBRICATING OIL	
CHEMICAL FAMILY:	FORMULA
REFINED PERTOLEUM	

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 OFD OTHER LIQUIDS, DOLIDS OR GASES		% TLV

SECTION III- PHYSICAL DATA

BOILING POINT	399°C	SPECIFIC GRAVITY (H20=1)	.88
VAPOR PRESSURE	mmHG(25*(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 LIQUIDE, BLAND ODOR		

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

		LEL	UEL
FLASHPOINT	COC, 232°C	FLAMMABLE LIMITS	N/A
EXTINGUISHING MEDIA	C02, DRY CHEMICAL. FOAM OR WATER FOG		
SPECIAL FIREFIGHTING PROCEDURES	NONE		
UNUSUAL FIRE AND EXPLOSION HAZARDS	WATER MAY CUASE FROTHING		

SECTION V- HEALTH HAZARD DATA

THRESHOLD LIMIT CALUE: VENILATION 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. SUCONTANEOUS 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)	MAY OCCUR	
	CONDITIONS TO AVOID: NONE	
HAZARDOUS POLMERIZATION	WILL NOT OCCUR	

SECTION VII- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASE 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 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 & MIST

VENTILATION	LOCAL EXHUAST	SPECIAL
	MECHNICAL	OTHER

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

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

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

SECTION IX- SPECIAL PRECAUTIONS

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