



LooseMax™

PENETRANT LUBRICANT

DESCRIPTION

LooseMax™ is a mixture of active rust dissolvers in conjunction with a unique blend of lubricants making it far more effective than conventional penetrating products. Provides superior lubrication during disassembly to prevent seizing.

AREAS OF APPLICATION

Penetrating to free frozen nuts, bolts, screws, lags, fasteners and working parts. Providing pressure and wear resistant lubrication of tightly threaded fittings, parts, locks, hinges, -linkages and tools. Flushes out dirt and old contaminated lubricants while at the same time providing increased -penetration to free parts and at the same time deeply deposit a micronic lubricating blend of molybdenum and additional quality lubricants to lubricate where most needed.

SPECIAL FEATURES

Highly Effective - strong rust dissolvers free blocked parts quickly. Accelerated penetration through rust and dirt to free working mechanisms quickly.

Cleans and Protects - cleans and flushes all mechanical surfaces while providing a residual protective coating.

Repels Moisture - drives out moisture and guards against the further effects of water and corrosion.

Superior Lubrication - provides superior lubrication during disassembly as well as in continued use. Contains a unique superior lubricant blend, including molybdenum, to greatly extend lubricating properties. Eliminates squeaks and squeals.

Safe To Use - does not adversely effect rubber. Excellent for all types of metal or metal combinations, even sensitive applications such as steel/aluminum joints. Contains no silicone or chlorinated solvents.

USE DIRECTIONS

Saturate frozen or stiff parts and allow to stand for a few minutes before attempting to break free. Loosen parts carefully. A wire brush should be used prior to spraying wherever heavily encrusted rust, corrosion or scale is encountered. Respray parts before and after -reassembly for improved working conditions as well as easier future disassembly.

PHYSICAL PROPERTIES – AEROSOL

LooseMax™ consists of a unique blend of specially selected quality lubricants and penetrants.

<i>Type</i>	Aerosol Lubricant/Penetrant
<i>Appearance</i>	Green/Grey Liquid
<i>Odour</i>	Characteristic Solvent
<i>Viscosity</i>	Water Thin
<i>Flammability</i>	Extremely Flammable
<i>Specific Gravity</i>	0.80
<i>Solubility in Water</i>	Negligible
<i>Toxicity (concentrate)</i>	Eye/Skin Irritant

Avoid prolonged breathing of vapors

FOR USE IN INDUSTRIAL, INSTITUTIONAL, COMMERCIAL and MARINE ENVIRONMENTS

PACKAGING Aerosol Case (12 x 376g Cans)

DM1401



MAXIM TECHNOLOGIES INC.
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CANADA 604-526-5655

PRODUCT: LOOSEMAX



Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER MAXIM TECHNOLOGIES INC.
1607 Derwent Way, DELTA
B.C.
CANADA
V3M 6K8
CANUTEC EMERGENCY #:1-613-996-6666(24HR)
PRODUCT NAME LOOSEMAX
CHEMICAL FAMILY PETROLEUM HYDROCARBONS.
MOLECULAR WEIGHT NOT APPLICABLE.
CHEMICAL FORMULA MIXTURE.
TRADE NAMES & SYNONYMS LOOSEMAX
PRODUCT USES LUBRICANT/PENETRANT.

Section 02: COMPOSITION/INFORMATION INGREDIENTS

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route,Species	LC/50 Route,Species
HEXANE	10-30	50 ppm	110-54-3	17,300 mg/kg ORAL-RAT	48,000 mg/kg INHAL-MOUSE
ACETONE	10-20	750 ppm	67-64-1	>9750 mg/kg ORAL - RAT	>16,000 ppm (4 hr) INHAL - RAT
PETROLEUM DISTILLATES (MEDIUM ALIPHATIC SOLVENT NAPHTHA - PETROLEUM)	10-30	100 ppm	64742-88-7	6216 mg/kg ORAL - RAT	14.1 mg/l (4 hr) INHAL - RAT
PETROLEUM DISTILLATES (STODDARD SOLVENT)	10-30	100 ppm	8052-41-3	5 g/kg ORAL-RAT	5500 mg/m3 INHAL-RAT
PROPYLENE GLYCOL METHYL ETHER	1-5	100 ppm	107-98-2	5660 mg/kg ORAL - RAT	7000 ppm (4 hr) INHAL - RAT
SEVERELY SOLVENT REFINED HEAVY PARAFFINIC OIL	10-30	5 mg/m3	64741-88-4	NOT AVAILABLE	NOT AVAILABLE
CARBON DIOXIDE	1-5	5000 ppm	124-38-9	NOT APPLICABLE	NOT AVAILABLE

Section 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:
 INGESTION..... MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS.
 INHALATION..... INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A SIMPLE ASPHYXIANT.
 EYE CONTACT..... VAPORS MAY IRRITATE.
 SKIN ABSORPTION..... NO DATA AVAILABLE FOR THIS PRODUCT MIXTURE.
 SKIN CONTACT..... MAY CAUSE IRRITATION.
 EFFECTS OF ACUTE EXPOSURE..... DIZZINESS, NAUSEA. IRRITATION TO SKIN & EYES.
 EFFECTS OF CHRONIC EXPOSURE..... SOLVENTS MAY CAUSE DEFATTING DERMATITIS
 EXPOSURE LIMIT OF MATERIAL..... SEE SECTION 2.

Section 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURE IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION. FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER. IF AFFECTED BY INHALATION OF VAPOUR OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED; DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION.

Section 05: FIRE FIGHTING MEASURES

AUTO IGNITION TEMPERATURE (°C)..... 225-465.
 SPECIAL PROCEDURES..... WATER FROM FOGGING NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT BUILD-UP IF EXPOSED TO EXTREME TEMPERATURES. FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARTATUS SHOULD BE WORN IN A FIRE INVOLVING THIS MATERIAL.
 FLAMMABILITY..... EXTREMELY FLAMMABLE.
 IF YES, UNDER WHICH CONDITIONS?..... EXCESSIVE HEAT, SPARKS AND OPEN FLAME.
 EXTINGUISHING MEDIA..... WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.
 UPPER FLAMMABLE LIMIT..... 13.3.
 (% BY VOLUME)
 LOWER FLAMMABLE LIMIT..... 2.6.
 (% BY VOLUME)
 EXPLOSION DATA

PRODUCT: LOOSEMAX**Section 05: FIRE FIGHTING MEASURES**

SENSITIVITY TO STATIC DISCHARGE..... NOT APPLICABLE.
 SENSITIVITY TO IMPACT..... NOT APPLICABLE.
 HAZARDOUS COMBUSTION PRODUCTS..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.
 AEROSOL FLAME PROJECTION CLASSIFIED AS:..... >45cm.
 FLASHBACK
 FLASH POINT(°C),TAG CLOSED-CUP LOWEST KNOWN VALUE IS HEXANE @ -23C.
 (CONCENTRATE)

Section 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL..... REMOVE ALL SOURCES OF IGNITION. USE AN INERT ABSORBENT MATERIAL, AND NON-SPARKING TOOLS. VENTILATE AREA. PREVENT FROM ENTERING A WATERCOURSE.

Section 07: HANDLING AND STORAGE

STORAGE NEEDS..... KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.
 ENGINEERING CONTROLS..... VENTILATION - LOCAL (MECHANICAL IF USED INDOORS ON A CONTINUOUS BASIS).
 HANDLING PROCEDURES AND EQUIPMENT..... STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.
 SYNERGISTIC MATERIALS..... NONE KNOWN.

Section 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

GLOVES/ TYPE..... WEAR CHEMICAL RESISTANT GLOVES.
 RESPIRATORY/TYPER..... IF USED INDOORS ON A CONTINUOUS BASIS, USE OF A CARTRIDGE TYPE RESPIRATOR (NIOSH/MSHATC 23C OR EQUIVALENT) IS RECOMMENDED.
 EYE/TYPER..... SAFETY GLASSES.
 FOOTWEAR/TYPER..... NOT NORMALLY REQUIRED.
 OTHER/TYPER..... NOT REQUIRED.

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... AEROSOL.
 APPEARANCE..... GREEN/GREY.
 ODOR..... CHARACTERISTIC.
 ODOR THRESHOLD..... NOT AVAILABLE.
 VAPOUR PRESSURE(PSIG)-AEROSOL..... 80-90.
 @ 20 C
 BOILING POINT (°C)(CONC)..... 57-200.
 EVAPORATION RATE..... LESS THAN 1.
 n-BUTYL ACETATE = 1
 VAPOUR DENSITY (AIR=1)..... GREATER THAN 1.
 (BY WEIGHT)
 SOLUBILITY IN WATER g/L (20°C)..... NEGLIGIBLE.
 pH..... NOT APPLICABLE.
 SPECIFIC GRAVITY (LIQUID)..... 0.79-0.83.
 COEFFICIENT OF WATER/OIL DIST..... NOT AVAILABLE.
 FREEZING POINT: (°C)..... NOT AVAILABLE.
 AEROSOL PERCENT VOLATILE..... 94-96.
 (BY WEIGHT).
 SPECIFIC GRAVITY (AEROSOL)..... 0.79-0.83.

Section 10: STABILITY AND REACTIVITY

HAZARDOUS PRODUCTS OF DECOMPOSITION..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.
 CHEMICAL STABILITY:
 YES..... UNDER NORMAL CONDITIONS.
 NO, WHICH CONDITIONS?..... NOT APPLICABLE.
 COMPATIBILITY WITH OTHER SUBSTANCES:
 NO, WHICH ONES?..... STRONG OXIDIZING AGENTS.
 REACTIVITY CONDITIONS?..... NOT APPLICABLE.
 HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.

Section 11: TOXICOLOGICAL INFORMATION

REPRODUCTIVE EFFECTS..... N-HEXANE- EXCESS EXPOSURE CAN RESULT IN PERIPHERAL NEUROPATHIES. THE INITIAL SYMPTOMS ARE SYMMETRICAL SENSORY NUMBNESS AND PARESTHESIAS OF DISTAL PORTIONS OF THE EXTREMITIES. MOTOR WEAKNESS IS TYPICALLY OBSERVED IN MUSCLES OF THE TOES AND FINGERS BUT MAY ALSO INVOLVE MUSCLES OF THE ARMS, THIGHS AND FOREARMS. THE ONSET OF THESE SYMPTOMS MAY BE DELAYED FOR SEVERAL MONTHS TO A YEAR AFTER THE BEGINNING OF EXPOSURE. THE NEUROTOXIC PROPERTIES OF N-HEXANE ARE POTENTIATED BY EXPOSURE TO METHYL ETHYL KETONE AND METHYL ISOBUTYL KETONE. PROLONGED EXPOSURE TO HIGH CONCENTRATIONS OF N-HEXANE (>1,000 ppm) HAS RESULTED IN DECREASED SPERM COUNT AND DEGENERATIVE CHANGES IN THE TESTES OF RATS BUT NOT THOSE OF MICE.
 IRRITANCY OF MATERIAL..... SLIGHT. N-HEXANE MAY DAMAGE PERIPHERAL NERVE TISSUE.
 SENSITIZING CAPABILITY OF MATERIAL..... UNKNOWN.

PRODUCT: LOOSEMAX

Section 11: TOXICOLOGICAL INFORMATION

CARCINOGENICITY OF MATERIAL..... THE INGREDIENTS OF THIS PRODUCT ARE NOT LISTED AS CARCINOGENS BY NTP, (NATIONAL TOXICOLOGY PROGRAM), NOT REGULATED AS CARCINOGENS BY OSHA, (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION), AND HAVE NOT BEEN EVALUATED BY IARC,(INTERNATIONAL AGENCY FOR RESEARCH ON CANCER), NOR BY ACGIH (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS).

TERATOGENICITY..... NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENIC EFFECTS ARE ANTICIPATED.

MUTAGENICITY..... NO INFORMATION IS AVAILABLE AND NO ADVERSE MUTAGENIC EFFECTS ARE ANTICIPATED.

Section 12: ECOLOGICAL CONSIDERATIONS

ENVIRONMENTAL..... NOT AVAILABLE.

Section 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL..... DO NOT PUNCTURE OR INCINERATE CONTAINERS, EVEN WHEN EMPTY. DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

Section 14: TRANSPORTATION INFORMATION

T.D.G. CLASSIFICATION..... CONSUMER COMMODITY (AEROSOLS, UN1950, CLASS 2.1).

Section 15: REGULATORY INFORMATION

CANADIAN REGULATIONS:

WHMIS CLASSIFICATION..... A,B5,D2B.
 CNFC SECTION 3.3.5..... LEVEL 3.
 CEPA (Canadian Environmental Protection Act) ALL SUBSTANCES IN THIS PRODUCT ARE LISTED ON THE CANADIAN DOMESTIC SUBSTANCES LIST (DSL) OR ARE NOT REQUIRED TO BE LISTED.

U.S. REGULATIONS:

HMIS RATING HEALTH..... 1 SLIGHT HAZARD.
 HMIS RATING FLAMMABILITY..... 4 SEVERE HAZARD.
 HMIS RATING REACTIVITY..... 0 MINIMAL HAZARD.
 HMIS RATING PERSONAL PROTECTION..... B.
 NFPA CODE 30B..... LEVEL 3.
 SARA 313 INFORMATION:..... THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:
 CAS #: CHEMICAL NAME:
 *110-54-3 N-HEXANE

CALIFORNIA PROPOSITION 65:..... THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986:
 WARNING: THIS PRODUCT DOES NOT INTENTIONALLY CONTAIN ANY CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.
 . CAS #: CHEMICAL NAME:
 . N/A.

TSCA (Toxic Substances Control Act)..... ALL COMPONENT OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. ANY IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING.

VOC (w/w%)..... 90-95.

Section 16: OTHER INFORMATION

NOTICE FROM MAXIM TECHNOLOGIES INC..... THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY MAXIM TECHNOLOGIES INC. FREE OF CHARGE. WHILE BELIEVED TO BE RELIABLE, IT IS INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK. MAXIM TECHNOLOGIES INC. ASSUMES NO RESPONSIBILITY FOR EVENTS RESULTING OR DAMAGES INCURRED FROM ITS USE. THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS.

PREPARED BY..... MAXIM TECHNOLOGIES INC.
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