



DESCRIPTION

FlexiLube™ is a penetrating foam lubricant which provides continuous protection for cables, chains and wire ropes. Will not break down, even under conditions of water, salt or chemical exposure.

AREAS OF APPLICATION

Excellent for use on material handling equipment, road and construction machinery, saws, cutter bars, scrap iron shears, booms, cranes, steam shovels, winches, hoists, conveyors, link and roller assemblies as used in marine, mining, lumbering, railroad, construction, trucking, warehousing and industrial operations.

SPECIAL FEATURES

Penetrates Deeply - into chains and wire ropes and sets up as grease coating to maintain superior lubrication and flexibility of moving links and wire strands.

Displaces Moisture - eliminates moisture and maintains moisture free condition.

Protects - acts as a protective coating to eliminate corrosion.

Superior Lubrication - forms a thin heavy duty gel lubrication coating which is highly resistant to moisture, salt and chemicals.

USE DIRECTIONS

SHAKE THOROUGHLY before using (until inside agitator rattles freely for at least 60 seconds). Agitate frequently during use. Apply from a distance of 20 to 25 cm (8 to 10 inches). Allow foam to penetrate and product to set up. Re-apply as required to maintain level of lubrication, flexibility and protection desired.

PHYSICAL PROPERTIES – AEROSOL

FlexiLube™ consists of selected quality lubricants and penetrants.

Type	Aerosol Lubricant
Appearance	Opaque Green/Grey Liquid
Odour	Characteristic Solvent
Viscosity	Sprays Liquid/Sets Up Gel
Flammability	Flammable
Flash Point (concentrate)	>105°C/221°F
Specific Gravity	0.86
Solubility in Water	Negligible
Toxicity (concentrate)	Low; Eye/Skin Irritant

FOR USE IN INDUSTRIAL, INSTITUTIONAL, COMMERCIAL, MARINE and FOOD PROCESSING ENVIRONMENTS

PACKAGING Aerosol case = 12 x 425g cans

DMY200114

MATERIAL SAFETY DATA SHEET

FLEX-@ 69

Effective Date: January 02, 2014

SECTION I – PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

Product Name: FLEXILUBE
WHMIS Class: Class D - Division 2A, 2B;
Class B - Division 5: Flammable Aerosol;
Class A - Compressed Gas
Product Use: Lubricant

TDG Classification: Aerosols, flammable; Class 2.1; UN1950
Consumer commodity (Applicable to containers < 1 litre)

	HMS / NFPA
HEALTH	1
FLAMMABILITY	4
REACTIVITY	1

Manufacturer Name & Address: Maxim Technologies Inc.
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(604) 526-5655

MSDS Prepared by: Maxim Technologies Inc.
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HMS
Severe 4
Serious 3
Moderate 2
Slight 1
Minimal 0

NFPA
Extreme
High
Moderate
Slight
Insignificant

CANUTEC: 1-613-996-6666

SECTION II – HAZARDOUS INGREDIENTS

Ingredients	CAS#	WT%	ACGIH-TLV	LC ₅₀	LD ₅₀
Oxygenated hydrocarbon	90438-79-2	0.5 - 1.5	Not available	Not available	>5000 mg/kg oral, rat
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	1 - 5	5 mg/m ³ TWA	Not available	Not available
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	1 - 5	100 ppm TWA	>1400 ppm 4 h, rat	5100 mg/kg oral, rat
Petrolatum (petroleum), oxidized, calcium salt	68425-34-3	1 - 5	5 mg/m ³ Mist	Not available	>2000 mg/kg oral, rat
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	1 - 5	5 mg/m ³ TWA	>5000 mg/m ³ 4 h, rat	>5000 mg/kg oral, rat
Petroleum gases, liquefied	68476-85-7	30 - 60	1000 ppm TWA	Not available	Not available

SECTION III – PHYSICAL DATA

pH, Concentrate: Not available
Specific Gravity, Concentrate (H₂O = 1): 0.865
Physical State: Aerosol

Vapour Density (Air = 1): Not available
Boiling Point, Concentrate (°C): 46
Odour: Characteristic

Solubility in Water: Negligible
Vapour Pressure (can, kPa): 411.6
Appearance: Dark grey to black

VOC (%): Not available
Evaporation Rate (BuAc = 1): Not available
Viscosity: Water thin

SECTION IV – FIRE AND EXPLOSION DATA

Flammability: Flammable aerosol by flame projection test.
Flash Point, Concentrate (°C, TCC): >105
LEL: 1.0 (Naphtha) **UEL:** 7.0 (Naphtha)

Hazard Combustion Products: May include and are not limited to oxides of carbon, oxides of sulphur.

Means of Extinction: Foam, carbon dioxide, dry chemical.

Special Fire Hazards: Contents under pressure. Container may explode with heat. Cool containers with water spray and remove source of ignition if safe. Fire fighters should wear self-contained breathing apparatus.

SECTION V – REACTIVITY DATA

Conditions for Chemical Instability: Stable.
Incompatible Materials: Oxidizers.
Hazardous Decomposition Products: May include and are not limited to oxides of carbon, oxides of sulphur when heated to decomposition.

SECTION VI – TOXICOLOGICAL PROPERTIES

Route of Entry: Eye, Skin contact, Inhalation, Ingestion.
Effects of Acute Exposure: **Eye** - May cause irritation. **Skin** - May cause irritation. **Inhalation** - Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness). **Ingestion** - May cause stomach distress, nausea or vomiting. Aspiration of material into lungs can cause chemical pneumonitis.

Effects of Chronic Exposure: Prolonged or repeated exposure to skin can cause drying, defatting and dermatitis.

Irritancy: Hazardous by WHMIS criteria. **Respiratory Tract Sensitization:** No data available.

Carcinogenicity: Hazardous by WHMIS criteria (contains Distillates (petroleum), solvent-refined heavy paraffinic).

Teratogenicity, Mutagenicity, Reproductive Effects: No data available. **Synergistic Materials:** Not available.

SECTION VII – PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: **Gloves** - Rubber gloves. Confirm with a reputable supplier first. **Eyes** - Safety glasses. **Respiratory** - Not normally required if good ventilation is maintained.

Engineering Controls: General ventilation normally adequate.

Leak and Spill Procedure: Before attempting clean up, refer to hazard data given above. Remove sources of ignition. Although the chance of a significant spill or leak is unlikely in aerosol containers, in the event of such an occurrence, absorb spilled material with a non-flammable absorbent such as sand or vermiculite.

Waste Disposal: Review federal, provincial, and local government requirements prior to disposal. Do not puncture or incinerate container.

Storage and Handling Requirements: Keep out of reach of children. Store in a closed container away from incompatible materials. Avoid heat, open flame, and other sources of ignition in the use and storage of this product. Do not store at temperatures above 49 degrees C.

SECTION VIII – FIRST AID

Eye: Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

Skin: Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. If breathing has stopped, trained personnel should administer CPR immediately.

Ingestion: Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

The above MSDS reflects the latest information on file with respect to hazards, properties and handling of this product. No warranty however, expressed or implied, is made with regard to the use of this information.