

MaxiCote™

FOOD GRADE LUBRICANT & COATING TO PREVENT RUST AND CORROSION

DESCRIPTION

Provides protective food grade coating to prevent rust and corrosion. **MAXICOTE™** provides pure sanitary food grade oil film lubrication and/or corrosion protection for a wide range of applications specifically within the food and beverage processing industries and particularly where exposure to edible product is of concern. **MAXICOTE™** consists of pure liquid petrolatum U.S.P. food grade lubricants and penetrants.

APPLICATION

Excellent for lubrication and/or corrosion protection of chains, sprockets, guide rails, rollers, valves, seals, pistons and rings, gears, cams, pumps, plungers, cables, conveyors and any parts on food processing, handling and preparation equipment where exposure to edible product is of concern.

Ideal for lubrication and surface protection in fast food preparation areas, supermarket cold/cut meat equipment and in general any food and beverage processing or manufacturing operations.

SPECIAL FEATURES

Colourless and odourless

Superior Performance - penetrates deeply into chains, gears and working mechanisms to coat and maintain superior lubrication and protection.

Protects Against Corrosion - highly resistant to water wash-off. Provides protective food grade coating to prevent rust and corrosion.

Food Grade - contains pure liquid petrolatum U.S.P. making it ideal for use where potential exposure to edible product is of concern.

Wide Temperature Range - effective temperature range -40° to +120°C (-40° to +250°F) offers maximum application flexibility.

SAFE - contains no solvents or silicones.

USE DIRECTIONS

Lightly spray for lubrication or surface protection until light film forms. Use minimal amount of MAXICOTE to achieve desired result. Re-apply as required. Avoid Ingestion/Excessive Inhalation.

PHYSICAL PROPERTIES

Type	AEROSOL
Appearance	Aerosol Lubricant/Coating
Odour	Clear Colourless Liquid
Viscosity	Virtually None
Flammability(by flame extension)	Light Oil
Flash Point(concentrate)	Flammable
Specific Gravity	185°C/365°F
Solubility in Water	0.84
VOC (weight by %)	Negligible
Toxicity (concentrate)	22
	Low; Eye/Skin Irritant
Avoid Ingestion / Excessive Inhalation	

APPROVALS/CERTIFICATIONS Canadian Food Inspection Agency (CFIA); Enviro-Gard Product

PACKAGING Aerosol case = 12 x 454g cans

For use in industrial, institutional, commercial, marine and food processing environments

NOTE: Although acceptable where incidental contact with food may occur, contamination of food in the application and storage of product should be avoided.



MATERIAL SAFETY DATA SHEET

MAXICOTE

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: MAXICOTE

Product Use: Lubricant.

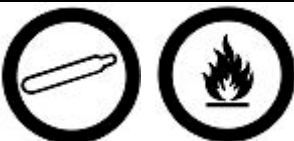

Manufacturer/Supplier: Maxim Technologies Inc.
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Delta, B.C. V3M 6K8

Phone Number: (604) 526-5655

Emergency Phone: (613) 996-6666

Date of Preparation: January 2, 2014

Section 2: HAZARDS IDENTIFICATION

WHMIS	PPE	DOT / TDG
		ORM-D / Limited Quantity

HMIS

HEALTH		1
FLAMMABILITY		4
PHYSICAL HAZARD		1
<small>PERSONAL PROTECTION</small>		B



Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

EMERGENCY OVERVIEW

DANGER

EXTREMELY FLAMMABLE. HARMFUL BY INHALATION. MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: Harmful by inhalation. May cause respiratory tract irritation.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Vapours may cause drowsiness and dizziness.

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Medical Conditions Aggravated By Exposure: Asthma. Allergies.

Target Organs: Skin, eyes, gastrointestinal tract, respiratory system.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential Environmental Effects: May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS#	Wt. %
Petroleum gases, liquefied	68476-85-7	10 - 30

Section 4: FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

Note to Physicians: Symptoms may not appear immediately.

Section 5: FIRE FIGHTING MEASURES

Flammability: Flammable by WHMIS/OSHA criteria.

Means of Extinction:

Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media: Not applicable.

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

Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

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Environmental Precautions: Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Scoop up material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.

Other Information: Not available.

Section 7: HANDLING AND STORAGE

Handling:

Keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

Storage:

Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Do not store at temperatures above 49 °C / 120 °F.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Ingredient	Exposure Limits	
	OSHA-PEL	ACGIH-TLV
Petroleum gases, liquefied	1000 ppm	1000 ppm

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment:

Eye/Face Protection: Wear eye/face protection.

Hand Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear.
Color:	Colorless.
Odour:	Low odor.
Odour Threshold:	Not available.
Physical State:	Gas/Pressurized Liquid.
pH:	Not available.
Viscosity:	Not available.

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Freezing Point:	Not available.
Boiling Point:	Not available.
Flash Point:	~ 185 °C (~ 365 °F)
Evaporation Rate:	Not available.
Lower Flammability Limit:	Not available.
Upper Flammability Limit:	Not available.
Vapor Pressure:	391 @ 21 C (69.8 F)
Vapor Density:	> 1 (Air = 1)
Specific Gravity:	0.84 @ 24 C (75.2 F)
Solubility in Water:	Negligible.
Coefficient of Water/Oil Distribution:	Not available.
Auto-ignition Temperature:	Not available.
Percent Volatile, wt. %:	Not available.
VOC content, wt. %:	22

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.

Conditions of Reactivity: Heat. Incompatible materials.

Incompatible Materials: Acids. Oxidizers.

Hazardous Decomposition Products: May include, and are not limited to: oxides of carbon.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Section 11: TOXICOLOGY INFORMATION

EFFECTS OF ACUTE EXPOSURE

Component Analysis

Ingredient	LD₅₀ (oral)	LC₅₀
Petroleum gases, liquefied	Not available.	Not available.
Eye:	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.	
Skin:	May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.	
Ingestion:	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.	
Inhalation:	Harmful by inhalation. May cause respiratory tract irritation. Vapours may cause drowsiness and dizziness.	

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EFFECTS OF CHRONIC EXPOSURE

Target Organs: Not available.

Chronic Effects: Not hazardous by WHMIS/OSHA criteria.

Carcinogenicity: Not hazardous by WHMIS/OSHA criteria.

Ingredient

Chemical Listed as Carcinogen or Potential Carcinogen *

Petroleum gases, liquefied

Not listed.

* See Section 15 for more information.

Mutagenicity: Not hazardous by WHMIS/OSHA criteria.

Reproductive Effects: Not hazardous by WHMIS/OSHA criteria.

Developmental Effects:

Teratogenicity: Not hazardous by WHMIS/OSHA criteria.

Embryotoxicity: Not hazardous by WHMIS/OSHA criteria.

Respiratory Sensitization: Not hazardous by WHMIS/OSHA criteria.

Skin Sensitization: Not hazardous by WHMIS/OSHA criteria.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment.

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Section 14: TRANSPORTATION INFORMATION

DOT Classification

ORM-D

TDG Classification

Limited Quantity

Section 15: REGULATORY INFORMATION

Federal Regulations

Canadian: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

US: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200).

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MAXIICOTE

SARA Title III

Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
Petroleum gases, liquefied	Not listed.	Not listed.	Not listed.	Not listed.

State Regulations

California Proposition 65:

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Global Inventories

Ingredient	Canada DSL/NDL	USA TSCA
Petroleum gases, liquefied	DSL	Yes.

WHMIS Classification(s):

- Class A - Compressed Gas
- Class B5 - Flammable Aerosol

WHMIS Hazard Symbols:



SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

- OSHA (O)** Occupational Safety and Health Administration.
- ACGIH (G)** American Conference of Governmental Industrial Hygienists.
A1 - Confirmed human carcinogen.
A2 - Suspected human carcinogen.
A3 - Animal carcinogen.
A4 - Not classifiable as a human carcinogen.
A5 - Not suspected as a human carcinogen.
- IARC (I)** International Agency for Research on Cancer.
1 - The agent (mixture) is carcinogenic to humans.
2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.
- NTP (N)** National Toxicology Program.
1 - Known to be carcinogens.
2 - Reasonably anticipated to be carcinogens.

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Section 16: OTHER INFORMATION

Disclaimer:

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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