



A Division of
South West Lubricants, Inc.

Material Safety Data Sheet
Chain Wax

Last updated: March 2009

1. Product and Company Identification

Product Trade Name Chain Wax
CAS Number Not applicable for mixtures
Generic Chemical Name Aerosol
Product Type Chain Lubricant
Transportation Emergency CHEMTREC 1-800-424-9300 (Outside USA 703-527-3887)
MSDS No. 74920
MSDS Website www.maximausa.com

2. Composition/Information on Ingredients

Common Name	Chemical Name	CAS No.	Range (%)
Liquefied Petroleum Gas		68476-85-7	<30
n-Hexane		110-54-3	<20
2-Propanone		67-64-1	<15
Petroleum Hydrocarbon		64742-48-9	<15
Aliphatic Hydrocarbons		8052-41-3	<10

3. Hazards Identification

EMERGENCY OVERVIEW

Warning: Flammable. Contents under pressure. Container may burst if heated. Do not place in hot water or near radiators, stoves or other sources of heat. Do not puncture or incinerate container or store at temperatures over 120°F. Do not use in presence of open flame or spark or other sources of ignition. KEEP OUT OF REACH OF CHILDREN. Avoid getting into eyes. Use only as directed. **Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.**

POTENTIAL HEALTH EFFECTS

Eye Contact may cause mild eye irritation including stinging, watering and redness.
Skin Prolonged or repeated contact may result in defatting and drying of skin which may result in skin irritation and dermatitis.
Ingestion No harmful or chronic effects are expected to occur from a single accidental ingestion.
Inhalation Contains asphyxiant gases. Intentional inhalation of gases may cause headache, fatigue, weakness, mental confusion, mood disturbances and decreased coordination and judgment. Severe overexposure may produce more serious symptoms, including coma and death.

Chemical Listed as Potential Carcinogens

NTP: No IARC: No OSHA: No

4. First Aid Measures

Eye Flush or rinse eye with water while holding eyelid open. Remove contact lenses, if worn. If irritation or redness persists, seek medical attention.
Skin No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.



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Ingestion	DO NOT induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person.
Inhalation	No specific first aid measures are required because this material is not expected to be harmful if inhaled. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

5. Fire Fighting Measures

FIRE CLASSIFICATION:	Extremely Flammable pursuant to CFR 16, Ch II Subchapter C, part 1500.45
AEROSOL LEVEL:	Aerosol Level 2 (REF: to NFPA 30B, Section 1-7 of August 6, 1998.) Code for the Manufacture and Storage of Aerosol Products.
UNUSUAL FIRE & EXPLOSION PROPERTIES:	Aerosols may burst at temperatures above 130°F. Contents under pressure. Cool uninvolved containers to prevent possible bursting. Floors may be slippery where materials are released.
EXTINGUISHING MEDIA	Use water fog, foam, dry chemical or carbon dioxide (CO ₂) to extinguish flames.
PROTECTION OF FIRE FIGHTERS:	
Fire Fighting Instructions	Containers exposed to intense heat from fires must be cooled with water and removed from danger if it can be done with minimal risk. Aerosols can be projectiles when bursting. If aerosols are bursting, stay clear until bursting is complete.
Combustion Products	Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

6. Accidental Release Measures

Protective Measures	Eliminate all sources of ignition in vicinity of spilled material.
Spill Management	Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.
Reporting	Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

7. Handling and Storage

Handling	Contents under pressure. Handle as to avoid puncturing container(s). When used as intended, no additional protective equipment is necessary. Use chemical goggles if likelihood
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of eye contact. Wash unintentional residue with soap and water. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Storage Store aerosol containers in cool, dry, well-ventilated areas away from heat and direct sunlight. Avoid temperatures above 120°F. Keep away from any incompatible material (see section 10.) Protect container(s) against physical damage. To avoid unintentional spraying keep protective cap in place when not in use.

8. Exposure Controls/Personal Protection

Exposure Limits	ACGIH TLV		OSHA PEL		UNITS
	TWA	STEL	TWA	STEL	
Liquefied Petroleum Gas	1000		1000		ppm
2-Propanone	500	750	1000	1000	ppm
Hexane	50		500		ppm

Ventilation Use in areas of adequate ventilation.

Gloves Use nitrile or neoprene gloves.

Eye Protection Safety glasses, goggles or face shield are recommended.

Respiratory Use NIOSH/MSHA approved respirator with organic vapor cartridge and dust/mist cartridge is recommended if exposure limit is exceeded. Self-contained breathing apparatus is recommended for confined space entry.

Clothing Long sleeve shirt and apron when potential for skin contact. Wear neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.

9. Physical and Chemical Properties

Appearance and Odor	Liquid, Dark Brown color, Slight petroleum odor
pH	NA
Vapor Pressure	70 psig @ 70°F
Vapor Density (Air = 1)	4
Boiling Point	ND
Solubility	Soluble in hydrocarbons; insoluble in water
Freezing Point	NA
Melting Point	NA
Specific Gravity	0.77 @ 15.6 °C / 15.6 °C
Volatile Organic Compounds (VOC)	ND
Viscosity (40 °C)	ND

10. Stability and Reactivity Data

Chemical Stability This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Avoid temperatures over 120°F, open flames and sparks.

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- Incompatibility With Other Materials** May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
- Hazardous Decomposition Products** Combustion may produce carbon monoxide, carbon dioxide and other unidentified organic compounds.
- Hazardous Polymerization** Hazardous polymerization will not occur.

11. Toxicological Information

No definitive information found on carcinogenicity, mutagenicity, target organs or developmental toxicity.

- Skin Irritation** Prolonged or repeated contact may result in defatting and drying of skin.
- Eye Irritation** Expected to cause mild irritation to eyes.
- Respiratory Irritation** Not expected to be a respiratory irritant. Chronic exposure may produce more severe side effects, such as dizziness and fatigue.
- Sensitisation** Not expected to be a skin sensitizer.
- Mutagenicity** No evidence of mutagenic activity.

ADDITIONAL TOXICOLOGY INFORMATION

This product contains petroleum and/or synthetic ester base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, severe hydrotreating or chemical reaction. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

12. Ecological Information

This material is expected to have marginally adverse affects on marine and plant life. Spills may contaminate drinking water. This material is expected to be inherently biodegradable.

13. Disposal Considerations

- Disposal** Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Consult federal, state and local regulations regarding disposal methods. Do not contaminate oil with solvents or other chemicals.



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14. Transport Information

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT (Ground)

Shipping Name	Consumer Commodity
Hazard Class	ORM-D

IMDG (Overseas)

Shipping Name	Aerosols
Class	9
UN No.	1950

IATA (Air)

Shipping Name	Consumer Commodity
Class	9
ID No.	ID8000
Label	Miscellaneous Dangerous Goods Class 9
Packaging Instructions	910

15. Regulatory Information

Toxic Chemicals List under SARA Section 313 of the Title III and 40 CFR Part 372
None

Chemicals under California Proposition 65
None

Flammability Classification 16 CFR, Ch II Subch. C, Part 1500.45
Extremely Flammable

Code of Manufacture and Storage of Aerosol Products NFPA 30B
Aerosol Level 2

16. Other Information

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.