

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Liquid**Product Name:** PURAMAX Bar and Chain Oil**Product Grades/Codes:**

PURAMAX Bar and Chain Oil SAE 40 – 2111369310 (Bulk), 2111369321 (Tote), 2111369330 (Drum), 2111369350 (Pail)

1.2. Intended Use of the Product

Chainsaw Lubricant

1.3. Company Identification

North American Lubricants Company
7337 E. Doubletree Ranch Road, Suite 180
Scottsdale, AZ 85258
(800) 430-6252
www.nalube.com

1.4. Emergency Telephone Number

Emergency Number : CHEMTREC: (800) 424-9300 or (703) 527-3887

SECTION 2: HAZARDS IDENTIFICATION

2.1. OSHA/HCS Status:

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

2.2. Classification(s):

Not Classified

2.3. Signal Word:

Warning

2.4. Symbol(s):



2.5. Hazard Statement(s):

May be harmful if swallowed. May irritate eyes and skin.

2.6. Precautionary Statement(s):

Warning

NFPA Rating

	HMIS
Health:	0
Flammability:	1
Reactivity:	0
Personal	B
Protection:	

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2.7. General Precautionary Statement(s):

Keep out of reach of children.

Read label before use.

Wash skin thoroughly after handling.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell.

PRE-EXISTING CONDITIONS: Pre-existing skin and respiratory disorders may be aggravated by exposure.

2.8. Prevention Precautionary Statement(s):

Not Applicable

2.9. Response Precautionary Statement(s):

Not Applicable

2.10. Storage Precautionary Statement(s):

Store in a dry place.

Store in a closed container.

2.11. Disposal Precautionary Statement(s):

Dispose of contents/containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations.

2.12. Other Hazards Which Do Not Result in Classification:

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Component Listing:

CAS	Component	Percent
64742-54-7	Distillates, Petroleum, Hydro Treated Heavy Paraffinic	10-70
64742-58-1	Lubricating Oils, Petroleum, Hydro Treated Spent	10-70
64742-52-8	Petroleum Hydrocarbon Base Oil	10-70
64741-96-4	Petroleum Hydrocarbon Base Oil	10-70
64742-18-3	Petroleum Hydrocarbon Base Oil	10-70
64742-62-7	Residual Oils (Petroleum), Solvent Dewaxed	10-70
64742-54-7	Distillates, Petroleum, Hydro Treated Heavy Paraffinic	10-70
Mixture	Proprietary Additives, Non-Hazardous Materials	10-30
Mixture	Non-Hazardous Material	<20
68649-42-3	ZDDP Phosphorodithioic Acid, O, O-DI, C1-14-Alkyl Esters, Zinc	<1

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require further reporting in this section.

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SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin Contact: Wash skin with plenty of soap and water while removing contaminated clothing and shoes.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Ingestion: Do NOT induce vomiting. Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

Notes to Physician: Acute aspirations of large amounts of oil laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Treatment may vary with condition of victim and specifics of incident.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: No known significant effects or critical hazards.

Inhalation: Overexposure may be irritating to the respiratory system.

Skin Contact: Repeated or prolonged skin contact may cause irritation.

Eye Contact: Direct contact with the eyes is likely irritating.

Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: No known significant effects or critical hazards.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Dry chemical, carbon dioxide, foam, or water spray is recommended. Water or foam may cause frothing of materials heated above 212°F/100°C. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Conditions of Flammability, Combustion:

Product may burn, but does not ignite readily. Combustion may yield smoke, carbon monoxide, and other products of incomplete combustion. Oxides of sulfur, nitrogen, or phosphorus may also be formed. Heated containers may rupture.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Under fire conditions, may produce fumes, smoke, oxides of carbon and hydrocarbons.

Other Information: Refer to Section 9 for flammability properties.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

Safeguards: Eliminate all sources of ignition – heat, sparks, flame, electricity, impact and friction.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and Material for Containment and Cleaning Up

Safeguards (Personnel): Eliminate all sources of ignition – heat, sparks, flame, electricity, impact and friction.

Initial Containment: Absorb spills with inert material. Do not allow material to enter soil or surface water.

Large Spills Procedure: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Do not flush to sewer.

Small Spills Procedure: Absorb spills with inert material.

Miscellaneous: Treat or dispose of in accordance with all federal, state, and local requirements. Incineration is preferred.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Handling (Personnel): Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.

Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Wash hands thoroughly after handling.

Handling (Physical Aspects): Secure container after each use. Store in a cool, dry area. Avoid contact with strong oxidizing agents.

Additional Hazards When Processed: Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Storage Precautions: Store in a cool dry place, in a tightly closed container. Eliminate all sources of ignition – heat, sparks, flame, electricity, impact, and friction.

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7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Occupational Exposure Limits

Lubricating Oils, Petroleum, Hydro Treated Spent (64742-58-1)	
ACGIH	5MG/M3 TWA (Excluding Metal Working Fluids, Highly and Severely Refined, Inhalable Fraction, Related to Oil Mist, Mineral)
OSHA Final	5MG/M3 TWA TWA (Related to Oil Mist, Mineral)
OSHA Vacated	5MG/M3 TWA TWA (Related to Oil Mist, Mineral)
NIOSH	5MG/M3 TWA TWA (Related to Oil Mist, Mineral) 10MG/M3 STEL (Related to Oil Mist, Mineral)
Residual Oils (Petroleum), Solvent Dewaxed (64742-62-7)	
ACGIH	5MG/M3 TWA (Excluding Metal Working Fluids, Highly and Severely Refined, Inhalable Fraction, Related to Oil Mist, Mineral)
OSHA Final	5MG/M3 TWA TWA (Related to Oil Mist, Mineral)
OSHA Vacated	5MG/M3 TWA TWA (Related to Oil Mist, Mineral)
NIOSH	5MG/M3 TWA TWA (Related to Oil Mist, Mineral) 10MG/M3 STEL (Related to Oil Mist, Mineral)
Distillates, Petroleum, Hydro Treated Heavy Paraffinic (64742-54-7)	
ACGIH	5MG/M3 TWA (Excluding Metal Working Fluids, Highly and Severely Refined, Inhalable Fraction, Related to Oil Mist, Mineral)
OSHA Final	5MG/M3 TWA TWA (Related to Oil Mist, Mineral)
OSHA Vacated	5MG/M3 TWA TWA (Related to Oil Mist, Mineral)
NIOSH	5MG/M3 TWA TWA (Related to Oil Mist, Mineral) 10MG/M3 STEL (Related to Oil Mist, Mineral)
Petroleum Hydrocarbon Base Oils (64742-52-8; 64741-96-4; 64742-18-3)	
ACGIH	5MG/M3 TWA (Excluding Metal Working Fluids, Highly and Severely Refined, Inhalable Fraction, Related to Oil Mist, Mineral)
OSHA Final	5MG/M3 TWA TWA (Related to Oil Mist, Mineral)
OSHA Vacated	5MG/M3 TWA TWA (Related to Oil Mist, Mineral)
NIOSH	5MG/M3 TWA TWA (Related to Oil Mist, Mineral) 10MG/M3 STEL (Related to Oil Mist, Mineral)

Engineering Controls: Provide general ventilation needed to maintain airborne concentration below established exposure limits. When general ventilation is unavoidable, additional engineering controls may be required.

Eye / Face Protection Requirement: When splashing of the material may occur, chemical goggles and/or a face shield are recommended.

Skin Protection Requirements: Where contact is likely, wear chemical resistant gloves.

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Respiratory Protection Requirements: Under normal use conditions, with adequate ventilation, no special handling equipment is required. If mists are produced, local ventilation may be required to keep exposure below limits.

General Comments: Always observe good personal hygiene practices. Wash hands and other exposed skin areas with plenty of mild soap and water before eating, drinking, smoking, etc.

8.2. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

8.3. Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment: Protective goggles. Gloves. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Form	Liquid
Appearance	Amber/Brown/Red, Clear
Odor	Hydrocarbon
Evaporation Rate	No Data
Specific Gravity	0.9 @ 15.6°C (60°F)
Vapor Pressure	<1MM HG
Vapor Density (Air = 1)	>1
Pour Point	0°F
Miscibility w/ Water	Immiscible
Boiling Point	N/A
PH	No Data
Flash Point	400°F (Cleveland Open Cup)
Flammability	May Ignite

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SECTION 10: STABILITY AND REACTIVITY

- 10.1. **Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. **Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. **Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.
- 10.5. **Incompatible Materials:** Strong oxidizing agents.
- 10.6. **Hazardous Decomposition Products:** Hazardous decomposition not expected to occur.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

General Information: Based on data on the components and the toxicology of similar materials.

Routes of Entry: Skin, eyes, ingestion, and inhalation.

11.2 Acute Exposure:

Eye Irritation: Not expected to cause eye irritation. Based on data from components or similar materials. Vapors may cause irritation.

Respiratory Irritation: Based on data from components and similar materials, inhalation of vapors or mists may cause irritation.

Dermal Toxicity: Not expected to be irritating under normal handling conditions with proper PPE use. Contact may remove skin oils. Repeated unprotected and prolonged exposure may cause skin irritation or dryness. No information on skin sensitization available.

Oral Toxicity: Unlikely to be harmful. May cause transient gastrointestinal effects, but unlikely to cause systemic toxicity. Oral LD50 > 5G/KG.

Inhalation Toxicity: Unlikely to be harmful, but inhaling small to large amounts repeatedly could cause moderate to severe damage to lung tissue. >5MG/L (Mist, estimated)

Sensitization: Component concentrations in this formulation would not be expected to cause skin sensitization, based on tests of the components or similar formulations.

11.3 Chronic Exposure:

Chronic Toxicity: No data available to indicate product or components present at greater than 1% are chronic health hazards.

Carcinogenicity: Product contains mineral and/or synthetic oils shown to be noncarcinogenic in laboratory studies with the same or similar materials. Mineral and synthetic oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC). Other components are not known to be associated with carcinogenic effects.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive Toxicity: No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

Teratogenicity: No data available to indicate either product or components present at greater than 0.1% that may cause birth defects.

Additional Information: No other health hazards known.

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SECTION 12: ECOLOGICAL INFORMATION

12.1. Environmental Hazards:

Toxicity: All acute toxicity studies on samples of base oil show acute toxicity values greater than 100 MG/L for invertebrates, algae, and fish. These tests were carried out on water accommodated fractions and the results are consistent with the predicted aquatic toxicity of these substances based on their hydrocarbon composition.

Persistence and Degradability: The hydrocarbons in this material are not readily biodegradable, but since they can be degraded by microorganisms, they are inherently biodegradable.

Bioaccumulation Potential: Values measured for the hydrocarbon components of this material are regarded as having the potential to bioaccumulate metabolic processes may reduce bio concentration.

Mobility in the Environment: In water, base oils will float and spread over the surface at a rate dependent of viscosity. There will be significant removal of hydrocarbons from the water by sediment absorption. In soil and sediment, hydrocarbon components will slow mobility with adsorption to sediments being the predominant physical process. The main process is expected to be slow biodegradation of the hydrocarbon constituents in soil and sediment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Avoid disposal into waste water treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

This material under most intended uses would become "used oil" after contamination due to chemical or physical impurities after use. Whenever possible, recycle used oil in accordance with applicable local, state, or federal regulations.

SECTION 14: TRANSPORT INFORMATION

- | | |
|--------------------------------------|--|
| 14.1. In Accordance with DOT | Not regulated for transport
NOTE: If shipped by land in a package having a capacity of 3,500 gallons or more, the provision of 49 CFR, Part 130 may apply. |
| 14.2. In Accordance with IMDG | Not regulated for transport
NOTE: US DOT compliance requirements may apply. See CFR 171.22, 23, & 25. |
| 14.3. In Accordance with IATA | Not regulated for transport
NOTE: US DOT compliance requirements may apply. See CFR 171.22, 23, & 24. |

SECTION 15: REGULATORY INFORMATION

15.1. Regulatory Lists Searched:

- | | |
|-----------------------------------|-----------------------------------|
| 01 = CANADIAN DISCLOSURE LIST | 02 = CERLA HAZARDOUS Substances |
| 03 = TITLE V OF THE CLEAN AIR ACT | 04 = SC Toxic Air Pollutants List |
| 05 = SARA TITLE III – SECTION 313 | 06 = SARA Title III – Section 312 |
| 07 = CA PROPOSITION 65 | 08 = RCRA Hazardous Substances |

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15.2. OSHA Hazard Communication Standard:

The classification of this material is based on OSHA HCS 2012 criteria.

United States Inventory (TSCA)	All components are listed or exempted.
Canada Inventory	All components are listed or exempted.
Europe Inventory	All components are listed or exempted.
Japan Inventory (ENCS)	All components are listed or exempted.
Australia Inventory (AICS)	All components are listed or exempted.
Korea Inventory (KECI)	All components are listed or exempted.
China Inventory (IECSC)	All components are listed or exempted.
Philippines Inventory (PICCS)	All components are listed or exempted.

SARA 302: No chemicals in this material are subject to reporting requirements of SARA Title III, Section 302.

CERCLA: This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Contact local authorities to determine if other reporting requirements apply.

SARA (313) Toxic Release Inventory: This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 3/18/2021

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. North American Lubricants Company assumes no responsibility for injury from the use of the product described herein.