SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture
Product Name: PURAMAX Spindle Oil
Product Grades/Codes:
PURAMAX Spindle Oil 22 – 2111339110 (Bulk)
PURAMAX Spindle Oil 32 – 2111359110 (Bulk)

1.2. Intended Use of the Product

Spindle Oil

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:

No Signal Word

2.4. Symbol(s):

No Symbol

Hazard Rating

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

2.5. Hazard Statement(s):

No known significant effects or critical hazards.

2.6. Hazard Statement(s):

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.

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:

Chemical Name	Amount	CAS Number
Highly Refined Petroleum Base Oil	97 – 99%	Mixture
Additives	< 3%	Proprietary

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

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: Flush with water for 15 minutes while holding eyelids open. If irritation persists, get medical attention.

Skin Contact: Remove contaminated clothing and wipe excess off. Wash with soap and water or a waterless hand cleaner followed by soap and water. If irritation occurs, get medical attention.

Inhalation: If overcome by vapor remove victim to fresh air; administer oxygen if breathing is difficult. Get medical attention.

Ingestion: Do NOT induce vomiting. In general, no treatment is necessary unless large quantities of product are ingested, however, get medical attention.

Notes to Physician: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Flammable Properties

Flash Point (Typical) Method:
Spindle Oil 22 199 °C (390 °F) | Spindle Oil 32 210 °C (410 °F)
Autoignition Temperature: N/A

5.2. NFPA Flammability Classification:

NFPA Class-IIIB combustible material.

5.3. Flammable Limits in Air

LEL: N/A
UEL: N/A

5.4. Extinguishing Media

Carbon dioxide, water fog, foam, or dry powder. Do not use water, because this product is oil based. Water or foam may cause frothing.

5.5. Fire and Explosion Hazards

Can burn in fire, releasing toxic vapors, fumes, and smoke.

5.6. Fire Fighting Instructions

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

5.7. Combustion Products

Hazardous decomposition products are oxides of carbon and nitrogen including CO and CO2.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Safeguards (Personnel)

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

6.2. Initial Containment

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

6.3. 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.

6.4. Small Spills Procedure

Absorb spills with inert material.

6.5. Personal Precautions, Protective Equipment and Emergency Procedures

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.

Pre-existing Conditions: Pre-existing skin and respiratory disorders may be aggravated by exposure to this product. The International Agency for Cancer Research has determined there is sufficient evidence for the carcinogenicity in experimental animals exposed by contact to used motor (crankcase) oil. Handling procedures and safety precautions in the MSDS should be followed to minimize exposure to the product as used lubricating oil in gasoline or diesel fueled internal combustion engines.

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.

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

Material	Source	Type	mg/m3
Oil Mist, Mineral	ACGIH	TWA (Inhalable fraction.)	5 mg/m3
Oil Mist, Mineral	ACGIH	STEL (Mist.)	10 mg/m3
Oil Mist, Mineral	OSHA	TWA (Mist.)	5 mg/m3

Engineering Controls: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. TLV for mineral oil is 5 mg/cubic meter.

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.

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.

Occupational Exposure Limits: Estimated 8-hour workday.

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

	Spindle Oil 22	**Spindle Oil 32**
Physical State	Liquid	Liquid
Odor	Mild Petroleum	Mild Petroleum
Vapor Pressure	Less than 0.1 mm Hg at 68 °F (20 °C)	Less than 0. 1mm Hg at 68 °F (20 °C)
Vapor Density	Heavier than air (Air = 1)	Heavier than air (Air = 1)
Autoignition Temperature	Not Available	Not Available
Specific Gravity	.8470 Approximately	.8560 Approximately
Density	7.06/lb Approximately	7.13/lb Approximately
Melting Point	Not Determined	Not Determined
Viscosity	22 cST at 40 °C	32cST at 40 °C
Flash Point	390 °F	410 °F

SECTION 10: STABILITY AND REACTIVITY

10.1. Stability

Material is stable under normal conditions.

10.2. Hazardous Polymerization

Hazardous polymerization will not occur.

10.3. Conditions and Materials to Avoid

Avoid heat, open flames and oxidizing materials

10.4. Hazardous Decomposition Products

Thermal decomposition products are highly dependent on the combustion conditions. A complex mixture of airborne solid, liquid, particulate and gases will evolve when this material undergoes pyrolysis or combustion. Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

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.

Skin Irritation: Slightly irritating based on data from components or similar materials. Prolonged or repeated skin contact without proper hygiene may result in skin disorders such as acne.

Respiratory Irritation: Based on data from components and similar materials, Inhalation of vapors or mists

Dermal and Oral Irritation:

Dermal LD50	>5000 mg/kg (Rabbit)
Oral LD50	>5000 mg/kg (Rat)

Inhalation Toxicity: Based on data from components and similar materials, product is not considered to be an inhalation hazard under normal conditions of use.

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 from Research on Cancer (IARC). Other components are not known to be associated with carcinogenic effects.

Mutagenicity: No data available to indicate either 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.

Teratogencity: 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.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Environmental Hazards:

Ecological Toxicity data has not been determined specifically for this product. The ecological toxicity hazard is based on an evaluation of data for the components or a similar material. This material is expected to be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

12.2 Environmental Fate

This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material. This product contains components which may be persistent in the environment.

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 product, if discarded, is not considered a hazardous waste.

SECTION 14: TRANSPORT INFORMATION

14.1.	**In Accordance with DOT**	Not regulated for transport
14.2.	**In Accordance with IMDG**	Not regulated for transport
14.3.	**In Accordance with IATA**	Not regulated for transport
14.4.	**In Accordance with TDG**	Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. Regulatory Lists Searched:

US 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.

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

Revision Date : 1/13/2021
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.

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