Safety Data Sheet

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture
Product Name: PURAMAX Saw Guide Oil
Product Grades/Codes:
PURAMAX Saw Guide Oil 46— 2111374730 (Bulk), 2111374721 (Tote), 2111374710 (Drum)
PURAMAX Saw Guide Oil 100– 2111404730 (Bulk), 2111404721 (Tote), 2111404710 (Drum)
Synonyms: Saw Guide Oil

1.2. Intended Use of the Product

Saw Guide 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. Classification of the Substance or Mixture

Classification (GHS-US)
Full text of H-phrases: see section 16

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :

Signal Word (GHS-US) : Not Hazardous

Hazard Statements (GHS-US) : H318 – May cause serious eye damage
H316 - May cause skin irritation
H335 – May cause respiratory irritation
H303 – Harmful if swallowed
H415 – Harmful to aquatic life

Precautionary Statements (GHS-US) : P273 - Avoid release to the environment.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards

The mixture consists of substances capable of producing an aspiration hazard. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure, and even death.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixture

Name	Product Identifier	% (w/w)
Sawguide Oil ISO Grades 46/100 Hydrotreated distillate base Refined hydrotreated residual base oil		100 30-70 20-65
Additives system containing proprietary formulated ingredients Other minor additives		1-5 <1

****Component Related Regulatory Information:** Highly refined petroleum lubricating oil contains one or more CAS numbers listed as follows: 64741-88-4, 94742-52-5, 64742-54-7, 64742-55-8, 64742-65-0, 64742-57-0, 64742-01-4, 64742-62-7, 72623-88-7
*The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

*More than one of the ranges of concentration prescribed by Controlled Products Regulations has been used where necessary, due to varying composition.

Full text of H-phrases: see section 16

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

Eye Contact: Flush with water for 15 minutes while holding eyelids open. If irritation persists, 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.

Note to Physician: In general, Emesis Induction is unnecessary in high viscosity, low volatility products, I.E., most oils and greases.

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

Flammable limits /% Volume in Air
Lower: N/AV Upper: N/AV
NFPA RATINGS- Health: 1 Flammability: 1 Reactivity: 0 Special: --
NPCA-HMIS RATINGS- Health: 1 Flammability: 1 Reactivity: 0

NFPA
National Fire Protection Association (U.S.A.)

5.1. Extinguishing Media

Suitable Extinguishing Media: Use water fog, foam, dry chemical or CO2. Do not use a direct stream of water. Product will float and be reignited on surface of water.

5.2. Special Fire Fighting Procedures and Precautions

Material will not burn unless preheated. Do not enter confined fire-space without full bunker gear (Helmet with face shield, bunker coats, gloves and rubber boots), including a positive-pressure NIOSH-Approved self-contained breathing apparatus. Cool fire exposed containers with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Spill or Leak Procedures:

May burn although not readily ignitable. Use cautious judgement when cleaning up large spills.

Large Spills Wear respirator and protective clothing as appropriate. Shut off source of leak. If safe to do so, dike and contain. Remove with vacuum trucks or pump to storage salvage vessels. Soak up residue with an absorbent such as clay, sand, or other suitable materials; dispose of properly. Flush area with water to remove trace residue

Small Spills Take up with an absorbent material and dispose properly.

Waste Disposal: Place in an appropriate disposal facility in compliance with local regulations.

6.2. Personal Precautions, Protective Equipment and Emergency Procedures

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

6.2.1. For Non-Emergency Personnel

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

Emergency Procedures: Evacuate unnecessary personnel.

6.2.2. 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

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

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.

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. Store locked up. Do not pressurize, cut weld, solder, drill or grind containers. Keep containers away from flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain residue and can be dangerous.

7.3 Health Effects

The health effects noted below are consistent with requirements under the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Eye Contact: Lubrication oils are generally considered no more than minimally irritating to the eyes

Skin Contact: Lubricating oils are generally considered no more than mildly irritating to the skin. Prolonged and repeated contact may result in various skin disorders such as Dermatitis, Folliculitis or Oil Acne.

Inhalation: Inhalation of vapor (generated as high temperatures only) or oil mist from this product may result in mild irritation of the upper respiratory tract.

Ingestion: Lubricating oils are generally considered no more than slightly toxic if swallowed.

Signs and Symptoms: Irritation as noted above

7.4. Specific End Use(s)

Saw Guide Oil.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 2 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.

Occupational Exposure Limits (estimated 8-hour workday):

	OSHA Z1	
Standards →	PEL/TWA	PEL/CEILING
Oil Mist →	5mg/M^3	None

Highly Refined Petroleum Lubricating Oil	
ACGIH - TWA	5 mg/m3 (related to Oil mist, mineral)
PEL/Ceiling	None (related to Oil mist, mineral)
TLV/STEL	10 mg/m3 (related to Oil mist, mineral)
Other	None (related to Oil mist, mineral)

8.2. 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.

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.
Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.
Environmental Exposure Controls: Do not allow the product to be released into the environment.
Consumer Exposure Controls: Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	:	Liquid
Appearance	:	Clear-yellow to darker
Odor	:	Mild Hydrocarbon
Odor Threshold	:	Not available
pH	:	Not available
Evaporation Rate	:	Not available
Melting Point	:	Not available
Boiling Point	:	Not available
Flash Point	:	365F & 400F
Auto-ignition Temperature	:	>320C/608F
Decomposition Temperature	:	Not available
Flammability (solid, gas)	:	Not available
Lower Flammable Limit	:	Not available
Upper Flammable Limit	:	1-10 %V(based on Mineral Oil)
Vapor Pressure	:	<0.3kPa (0.1 @20C[Est])
Relative Vapor Density at 20 °C	:	(Air=1.0) >1.0
Relative Density	:	Not available
Specific Gravity	:	H20=10.0 API 60F:25 &22
Solubility in Water	:	Negligible
Viscosity@100°C		cSt.: 5.7-11.6
Viscosity@40°C		cSt.: 44-143

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: Polymerization is not known to occur under normal temperatures and pressures. Not reactive with water.
10.2. Chemical Stability: Stable under recommended handling and storage conditions (see section 7).
10.3. Conditions to Avoid: Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.
10.4. Incompatible Materials: Avoid oxidizing agents.
10.5. Hazardous Decomposition Products: None under normal temperatures and pressures.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Routes of Exposure: Skin, Eyes, Ingestion, and Inhalation.
Acute Toxicity: May be harmful if swallowed. May cause serious eye damage. May cause throat irritation, nausea, vomiting and diarrhea. Aspiration hazard: Breathing product into the lungs during ingestion or vomiting may cause ling injury and possible death.

Repeated Dose Effects: Prolonged or repeated inhalation of oil mist may cause oil pneumonia, lung tissue, and/or fibrous tissue formation. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis).
Sensitization: Based on best current information, there is no known human sensitization associated with this product.
Mutagenicity: Experimental evidence suggests that this product does not cause mutagenesis.
Carcinogenicity: Based on best current information, there is no known carcinogenicity as regulated by OSHA; as categorized by ACHOG A1 or A2 substances; as categorized by IARC Group 1 or Group 2A or Group 2B agents as either known carcinogens or substances for which there is limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals.
Reproductive Toxicity: Based on best current information, there is no known reproductive toxicity associated with this product.
Teratogenicity: Based on best current information, there is no known teratogenicity associated with this product.
Neurotoxicity: High vapor/aerosol concentrations (attainable only at elevated temperatures) may cause central nervous system effects such as dizziness, drowsiness or headaches.

11.2. Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

LD50 Oral Rat	> 5.0 g/kg
LD50 Dermal Rabbit	> 5.0 g/kg

SECTION 12: ECOLOGICAL INFORMATION

12.1. Classification

This product is classified as an oil under section 311 of the Clean Water Act. Spills entering (A) surface waters of (B) any water courses or sewer's-entering/leading to surface waters that cause a sheen must be reported to the nearest Environmental Protection Agency Office.

12.2. Toxicity

Ecology - General: Toxic to aquatic life. May cause long-term adverse effects in the aquatic environment.

12.3. Persistence and Degradability

Not readily biodegradable.

12.4. Bio Accumulative Potential

Not available

12.5. Mobility in Soil

Base oil component(s) – Low solubility and floats; expected to migrate from water to the land.

12.6. Other Adverse Effects

Other Information: Avoid release to the environment.
Octanol/Water Partition Coefficient: Not available
Volatile Organic Compounds: Negligible
Aquatic Release: Advise authorities if product has entered or may enter watercourses or sewer drains.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Sewage Disposal Recommendations: Do not empty into drains; dispose of this material and its container in a safe way. Do not empty into drains. Do not dispose of waste into sewer.
Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.
USEPA Waste Codes: This product, if discarded is not expected to be characteristic or listed hazardous waste. If recycled in the USA, it must be managed in accordance with 40 CFR Part 279. Processing, using or contamination by user may change the waste code(s)

applicable to the disposal of these products.
Additional Recommendations: Product is suitable for burning in an enclosed, controlled burner for fuels value or disposal by supervised incineration. Proper characterization is recommended. The product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Compliance with all appropriate Federal, State, and local regulations should be satisfied at time of disposal. Base Oil Component is expected to be inherently biodegradable. The total mixture may be harmful to aquatic organisms.

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. US Federal Regulations

U.S. TSCA 8b INVENTORY	All components of this product are on the US TSCA Inventory
Other TSCA Regulations	None Known
SARA Sections 301-304	This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances List.
SARA Section 311/312 Hazard Classes	This product does not contain any chemical substance on SARA Hazard, Delayed Health Hazard List.
SARA Section 313	This product does not contain greater than 1.0% (greater than o.1% for carcinogenic substance) of any chemical (Toxic Chemicals) substances listed under SARA section 313.
CERCLA	None Known
FDA APPROVAL	Not Applicable
RCRA STATUS	If discarded in its purchased forms, this product would not be a hazardous waste either by listing or by characteristic. Under RCRA it is the responsibility of the products user to determine at the time of disposal, whether a material; containing the product or derived from the product should be classified as hazardous waste.

15.2. US State Regulations

None noted

15.3. Canadian Regulations

WHMIS Classification	Not Classified

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

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

Revision Date : 9/07/2022
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA.

Safety Data Sheet

Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

H304	May be fatal if swallowed and enters airways.
P273	Avoid release into the environment
P501	Dispose of contents/container in accordance with local, regional, national, and international regulations.

Party Responsible for the Preparation of This Document

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

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