

Safety Data Sheet

SDS# 6052, Version 1.0

Effective Date 10/1/2019

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

SECTION 1: IDENTIFICATION**1.1. Product Identifier****Product Form:** Mixture**Product Name:** PURAMAX Multi-Viscosity Hydraulic Fluid**Product Grades/Codes:**

PURAMAX Multi-Viscosity Hydraulic AW 46 – 2111376921 (Tote), 2111376930 (Drum)

Synonyms: Hydraulic Fluid**1.2. Intended Use of the Product – hydraulic Fluid****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)**

Not Classified

Full text of H-phrases: see section 16

2.2. Label Elements**GHS-US Labeling****Hazard Pictograms (GHS-US)** : None Required**Signal Word (GHS-US)** : No signal word**Hazard Statements (GHS-US)** : No known significant effects or critical hazards**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.

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2.4. Unknown Acute Toxicity (GHS-US)

9.73 percent of the mixture consists of ingredient(s) of unknown acute toxicity.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substances** – not applicable**3.2. Mixture**

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Solvent refined, hydrotreated paraffinic distillate mineral base oil		75-90	Not Classified
Additive system containing proprietary formulated ingredients		8-15	Not Classified
Other minor additives		<1	Not Classified

*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:** Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.**Skin Contact:** Remove contaminated clothing. Drench affected area with water or soap and water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.**Ingestion:** Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.**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

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5.1. Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

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

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not flammable but will support combustion.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

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

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

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.

Reference to Other Sections

Refer to section 9 for flammability properties.

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.

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

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

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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.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

Hydraulic Fluid.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

OSHA Z1 / ACGIH	
PEL/TWA	5Mg/M ³ *
PEL/Ceiling	None
TLV/TWA	5Mg/ M ³ *
TLV/STEL	10Mg/ M ³ *
Other	None

*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

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pH	: Not available
Evaporation Rate	: Not available
Melting Point	: Not available
Boiling Point	: Not available
Flash Point	: 310°F - 400°F
Auto-ignition Temperature	: >320°C/608°F
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: 1% V, based on mineral oil
Upper Flammable Limit	: 10% V based on mineral oil
Vapor Pressure	: <0.3kPa (0.1 @ 20°C (Est))
Relative Vapor Density	: (Air=1.0) >1.0
Relative Density	: Not available
Specific Gravity	: (H2O=10.0) API @ 60°F: 30.0-31.0
Solubility In Water	: Negligible
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: @100°C, cSt.: 4.2-11.0, @40°C, cSt.: 17.3-68.5
Viscosity, Kinematic	: Not available
Explosive Properties	: Product is not explosive
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge

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 acids, strong bases, strong oxidizers.
- 10.6. Hazardous Decomposition Products:** No decomposition expected under normal use and storage conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity: Not classified**LD50 and LC50 Data:** Not available**Skin Corrosion/Irritation:** Not classified**Eye Damage/Irritation:** Not classified**Respiratory or Skin Sensitization:** Not classified**Germ Cell Mutagenicity:** Not classified**Teratogenicity:** Not classified**Carcinogenicity:** Not classified

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Hydrotreated paraffinic distillate mineral base oil	
LD50 Oral Rat	> 5 g/kg
LD50 Dermal Rabbit	> 5 g/kg

SECTION 12: ECOLOGICAL INFORMATION

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

12.1. Toxicity**Ecology - General:** Toxic to aquatic life.**12.2. Persistence and Degradability**

Not available

12.3. Bioaccumulative Potential

Not available

12.4. Mobility in Soil

Not available

12.5. Other Adverse Effects**Other Information:** Avoid release to the environment.**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.**SECTION 14: TRANSPORT INFORMATION****14.1. In Accordance with DOT** Not regulated for transport

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- 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. US State Regulations**

United States:

The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

SARA 301/304 - This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.

SARA 311/312 - This product does not contain any chemical substance on SARA Hazard, Delayed Health Hazard List.

SARA 313 - This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical (Toxic Chemicals) substances listed under SARA Section 313

CERCLA (>0.1%): None known

FDA Approval: Not applicable.

RCRA Status – If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic.

Under RCRA - it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

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

Revision Date : 10/1/2019
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

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

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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.