

SECTION 1: IDENTIFICATION**1.1. Product Identifier****Product Form:** Not Classified**Product Name:** PURAMAX Base Oil**Product Grades/Codes:**

PURAMAX Base Oil 120 Neutral – 2216747410 (Bulk)

1.2. Intended Use of the Product

Lubricant, Matrix/extender 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

2.2. Label Elements**GHS-US Labeling****Hazard Pictograms (GHS-US)** : None Required**Signal Word (GHS-US)** : Not Hazardous**Hazard Statements (GHS-US)** : None Required**Precautionary Statements (GHS-US)** : P273 - Avoid release to the environment.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

Safety Data Sheet**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substances**

Not applicable

3.2. Mixture

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Refined & hydrotreated light paraffinic distillate base oil		50-95	Not Classified
Refined & hydroprocessed heavy paraffinic distillate/residual base oil		40-95	Not Classified
Other minor additives		<1	Not Classified

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. If irritation persists, 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:** If overcome by vapor, remove victim to fresh air; administer oxygen if breathing is difficult. Seek medical attention.**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:** Use extinguishing media appropriate for surrounding fire; carbon dioxide (CO₂), dry chemical, or foam.**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.

Safety Data Sheet

SDS# 9017, Version 1.0
Effective Date 6/28/2019

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

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. Do not allow runoff water and contaminants from the fire to enter drains or water courses.

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

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth vermiculite. Place in closed containers outside the buildings and dispose of according to the Waste Regulations (See section 13).

Clean, preferably with a detergent. Do not use solvents.

If drains, sewers, streams or lake are contaminated, inform the local water company immediately. In the case of contamination or rivers, streams or lakes, the Environmental Protection Agency should also be informed. Dispose of in accordance with the federal, state, and local environmental regulations.

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

Handling: Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing vapor. Use with adequate ventilation.

In Storage: Store in a dry location at room temperature. Keep this container and vapors from the container away from heat and flame. Keep container closed and maintain all original markings and labels.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Safety Data Sheet

 SDS# 9017, Version 1.0
 Effective Date 6/28/2019

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

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. CAUTION!!! Do not use cutting or welding torches on drums, even when empty. Do not reuse container. Containers, even those that have been emptied will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

OSHA Z1 / ACGIH	
PEL/TWA	5Mg/M ³ *(related to Oil mist, mineral)
PEL/Ceiling	None (related to Oil mist, mineral)
TLV/TWA	5Mg/ M ³ *(related to Oil mist, mineral)
TLV/STEL	10Mg/ M ³ *(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 / light yellow
Odor	: Mild Hydrocarbon

Safety Data Sheet

SDS# 9017, Version 1.0
Effective Date 6/28/2019

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Melting Point	: Not available
Boiling Point	: Not available
Flash Point	: COC: 360°F to 580°F
Auto-ignition Temperature	: >320°C/608°F
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: <0.3kPa(0.1 @20°C[Est])
Relative Vapor Density at 20 °C	: Not available
Relative Density	: Not available
Specific Gravity	: Not available
Solubility	: Negligible
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: @ 100°C, cSt.:2.6-29.1; @ 40°C, cSt.:10-460
Viscosity, Kinematic	: Not available
Explosive Properties	: Not available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. **Reactivity:** No data available.
- 10.2. **Chemical Stability:** Material is normally stable at ambient temperature and pressure.
- 10.3. **Possibility of Hazardous Reactions:** May react with: oxidizing agents.
- 10.4. **Conditions to Avoid:** High temperature, sparks, and open flames.
- 10.5. **Incompatible Materials:** Keep away from strong oxidizing and reducing agents.
- 10.6. **Hazardous Decomposition Products:** Hazardous Decomposition Products: May form CO and CO₂.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity: Not classified**Dermal LD50:** >5.0 g/kg (Rabbit)**Oral LD50:** >5.0 g/kg (Rat)**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

Safety Data Sheet

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries after Inhalation: Overexposure may be irritating to the respiratory system.

Symptoms/Injuries after Skin Contact: Repeated or prolonged skin contact may cause irritation.

Symptoms/Injuries after Eye Contact: Direct contact with the eyes is likely irritating.

Symptoms/Injuries after Ingestion: Ingestion is likely to be harmful or have adverse gastrointestinal effects.

Chronic Symptoms: Not Classified

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

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 local Environmental Protection Agency Office.

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

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Consult federal, state and local regulations regarding disposal methods, recycle used oil. Do not contaminate used oil with solvents or other chemicals. 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 TDG Not regulated for transport

14.2. In Accordance with DOT Not regulated for transport

14.3. In Accordance with Environmental Transport Non-hazard

14.4. In Accordance with IMDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

Safety Data Sheet

SARA Section 311/312 Hazard Classes	Not Classified
--	----------------

15.2. 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 311/312 (>0.1%): Not applicable**SARA 313 (>0.1%):** Not applicable**CERCLA (>0.1%):** Not applicable**Inventory - Canada - Non-Domestic Substances List****(NDSL):**

Not applicable

California Proposition 65 Cancer: Not applicable**California Proposition 65****Developmental:**

Not applicable

California Proposition 65 Female Not applicable**Reproductive:****California Proposition 65 Male****Reproductive:**

Not applicable

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

Revision Date : 06/28/2019
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 DocumentNorth American Lubricants Company
7337 E. Doubletree Ranch Road, Suite 180
Scottsdale, AZ 85258
(800)430-6252
www.nalube.com

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.