

# Safety Data Sheet

## SECTION 1: IDENTIFICATION

### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** PURAMAX PureCut AS Series

**Product Grades/Codes:**

PURAMAX PureCut AS 15 – 2124316330 (Drum), 2124316350 (Pail)

PURAMAX PureCut AS 32 – 2124356330 (Drum), 2124356350 (Pail)

PURAMAX PureCut AS 46 – 2124376330 (Drum), 2124376450 (Pail)

PURAMAX PureCut AS 68 – 2124396330 (Drum), 2124396350 (Pail)

**Synonyms:** Metalworking fluid

### 1.2. Intended Use of the Product

Cutting 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](http://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

Grade	
15	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910, 1200).
32, 46, 68	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910, 1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this products.

### 2.2. Classification of the Substance or Mixture

**Classification (GHS-US)**

Grade	
15	ASPIRATION HAZARD – Category 1
32, 46, 68	Not classified.

### 2.3. Label Elements

**GHS-US Labeling**

**Grade 15**

Hazard Pictograms (GHS-US):

Signal Word: Danger



Hazard Statement(s): May be fatal if swallowed and enters airways.

**Grade 32, 46, 68**

Hazard Pictograms (GHS-US): Not Classified

Signal Word: No signal word.

Hazard Statement(s): No known significant effects or critical hazards.

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

## 2.4. Precautionary Statements

**General:** Avoid contact with eyes. IF IN EYES: Rinse cautiously with water for several minutes. IF SWALLOWED: Do NOT induce vomiting. After handling, always wash hands thoroughly with soap and water. If you feel unwell, seek medical attention and show the label when possible. Keep out of reach of children.

**Prevention:** Not applicable.

**Response:** IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.

**Storage:** Store in a dry place and/or in closed container. Store in accordance with all local, regional, national and international regulations.

**Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified: None known.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. CAS Number/Other Identifiers

**Substance/Mixture:** Mixture

**Other Means of Identification:** Metalworking fluid

Grade	Ingredient Name	% (w/w)	CAS Number
15	Distillates (petroleum), solvent-dewaxed light paraffinic	≥ 90	64742-56-9
32	Distillates (petroleum), hydrotreated heavy paraffinic	≥ 90	64742-54-7
46	Distillates (petroleum), hydrotreated heavy paraffinic	≥ 75 - ≤ 90	64742-54-7
68	Distillates (petroleum), hydrotreated heavy paraffinic	≥ 75 - ≤ 90	64742-54-7

Any concentration shown as a range is to protect confidentiality or is due to process variation.

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 or the environment 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).

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin Contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

**Ingestion:** Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

# Safety Data Sheet

SDS# 9023, Version 1.0  
Effective Date 10/21/2020

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

**Note to Physician: (Grade 15)** If ingested, this material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal and/or gastric lavage. If patient is obtunded, protect the airway by cuffed endotracheal intubation or by placement of the body in a Trendelenburg and left lateral decubitus position.

**(Grade 32, 46, 68)** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific Treatments:** Treat symptomatically and supportively.

**Protection of First-Aiders:** no action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

Use an extinguishing agent suitable for the surrounding fire.

### 5.2. Special Fire Fighting Procedures and Precautions:

In a fire or if heated, a pressure increase will occur and the container may burst.

### 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.

## 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).

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

#### 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.

Place in an appropriate disposal facility in compliance with local regulations.

### 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.

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

## 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.

**Eye Contact:** Lubricating oils are general 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 at 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.

### 7.2. 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.

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

**Aggravated Medical Conditions:** Preexisting 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.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. 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.

### 8.2. 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. 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.

**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.

# Safety Data Sheet

 SDS# 9023, Version 1.0  
 Effective Date 10/21/2020

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

### 8.3. Occupational Exposure Limits

Grade	Ingredient Name	
15	Distillates (petroleum), solvent-dewaxed light paraffinic	<b>ACGIH TLV (United States, 3/2016).</b> TWA: 5mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction <b>OSHA PEL (United States, 6/2016).</b> TWA: 5mg/m <sup>3</sup> 8 hours <b>NIOSH REL (United States, 10/2013).</b> TWA: 5mg/m <sup>3</sup> 10 hours Form: Mist STEL: 10mg/m <sup>3</sup> 15 minutes. Form: Mist
32, 46, 68	Distillates (petroleum), hydrotreated heavy paraffinic	<b>ACGIH TLV (United States, 3/2017).</b> TWA: 5 mg/m <sup>3</sup> 8 hours Form: Inhalable fraction <b>NIOSH REL (United States, 10/2016).</b> TWA: 5mg/m <sup>3</sup> 10 hours Form: Mist STEL: 10mg/m <sup>3</sup> 15 minutes. Form: Mist <b>OSHA PEL (United States, 6/2016).</b> TWA: 5 mg/m <sup>3</sup> 8 hours

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

	Grade 15	Grade 32	Grade 46	Grade 68
<b>Physical State</b> :	Liquid	Liquid	Liquid	Liquid
<b>Color</b> :	Light amber to amber	Amber	Amber	Amber
<b>Odor</b> :	Mild petroleum odor	Mild petroleum odor	Petroleum	Petroleum
<b>pH</b> :	Not available	Not available	Not available	Not available
<b>Boiling Point</b>	Not available	Not available	Not available	Not available
<b>Flash Point</b> :	Open cup: 176°C (348.8°F) [Cleveland]	Open cup: 184°C (363.2°F) [Cleveland]	Open cup: 180°C (356°F) [Cleveland]	Open cup: 180°C (356°F) [Cleveland]
<b>Evaporation Rate</b> :	<1 (butyl acetate = 1)	<1 (butyl acetate = 1)	<1 (butyl acetate = 1)	<1 (butyl acetate = 1)
<b>Upper/Lower Explosion/Flammability Limits</b> :	Not available	Not available	Not available	Not available
<b>Vapor Pressure</b> :	<0.013 kPa (<0.1 mm Hg) [room temp]	<0.013 kPa (<0.1 mm Hg) [room temp]	<0.013 kPa (<0.1 mm Hg) [room temp]	<0.013 kPa (<0.1 mm Hg) [room temp]
<b>Vapor Density</b> :	>1 [Air=1]	>1 [Air=1]	>1 [Air=1]	>1 [Air=1]
<b>Relative Density</b> :	0.88	0.87	0.88	0.89
<b>Density lbs/gal</b> :	Estimated 7.34lbs/gal	7.2 lbs/gal	Estimated 7.34lbs/gal	Estimated 7.42lbs/gal
<b>Density gm/cm<sup>3</sup></b> :	Not available	Not available	Not available	Not available
<b>Gravity, °API</b> :	Estimated 29 @ 60 F	33.6 @ 60 F	Estimated 29 @ 60 F	Estimated 27 @ 60 F
<b>Solubility</b> :	Insoluble in the following materials: cold water.	Insoluble in the following materials: cold water.	Insoluble in the following materials: cold water.	Insoluble in the following materials: cold water.
<b>Flow Time (ISO 2431)</b> :	Not available	Not available	Not available	Not available
<b>Viscosity</b> :	Kinematic (40°C (104°F)): 0.18 cm <sup>2</sup> /s (18 cSt)	Kinematic (40°C (104°F)): 0.32 cm <sup>2</sup> /s (32 cSt)	Kinematic (40°C (104°F)): 0.46 cm <sup>2</sup> /s (46 cSt)	Kinematic (40°C (104°F)): 0.68 cm <sup>2</sup> /s (68 cSt)
<b>Viscosity SUS</b> :	Estimated 90 SUS @ 104 F	Estimated 160 SUS @ 104 F	Estimated 245 SUS @ 104 F	Estimated 338 SUS @ 104 F

# Safety Data Sheet

## 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:** 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 - Product

**Acute Toxicity:** Not available

**Skin Corrosion/Irritation:** Not available

**Eye Damage/Irritation:** Not available

**Respiratory or Skin Sensitization:** Not available

**Likely Exposure Routes:** Dermal, Inhalation

**Germ Cell Mutagenicity:** Not available

**Teratogenicity:** Not available

**Carcinogenicity:** Not available

**Specific Target Organ Toxicity (Repeated Exposure):** Not available

**Reproductive Toxicity:** Not available

**Specific Target Organ Toxicity (Single Exposure):** Not available

**Aspiration Hazard:** Not available

**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 effects.

**Chronic Symptoms:** Not available

### 11.2. Information on Toxicological Effects - Ingredient(s)

**Grade 15 LD50 Data:**

Product/Ingredient Name	Result	Species	Dose	Exposure
Distillates (petroleum), solvent-dewaxed light paraffinic	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

### Conclusion/Summary

Distillates (petroleum), solvent-dewaxed light paraffinic: Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and sub-acute studies involving exposure levels produced no significant toxicological effects. In long term studies (up to two years) no carcinogenic effects have been reported in any animal species tested.

# Safety Data Sheet

**Grade 32, 46, 68 LD50 Data:**

Product/Ingredient Name	Result	Species	Dose	Exposure
Distillates (petroleum), solvent-dewaxed light paraffinic	LD50 Oral	Rat	>5000 mg/kg	-

**Conclusion/Summary**

Distillates (petroleum), hydrotreated heavy paraffinic: Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near current workplace exposure levels produced no significant toxicological effects.

**SECTION 12: ECOLOGICAL INFORMATION****12.1. Toxicity**

Not available.

**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 known significant effects or critical hazards.

**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:** 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.

**Incineration Disposal Recommendations:** Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Proper characterization is recommended.

# Safety Data Sheet

## SECTION 14: TRANSPORT INFORMATION

### 14.1. Transport Regulations

	DOT Classification	IMDG	IATA
UN Number	Not regulated	Not regulated	Not regulated
UN Proper Shipping Name	-	-	-
Transport Hazard Class(es)	-	-	-
Packing Group	-	-	-
Environmental Hazards	No	No	No

#### Special Precautions for User

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## SECTION 15: REGULATORY INFORMATION

### 15.1. US Federal Regulations

**SARA 302/304 Composition/Information on Ingredients**  
**SARA 304 RQ:** Not applicable

**SARA 311/312 Composition/Information on Ingredients**

#### Classifications:

**Grade 15 - ASPIRATION HAZARD (Category 1)**

**Grade 32, 46, 63 – Not applicable**

### 15.2. US Federal Regulations

**Massachusetts:** None of the components are listed.  
**New York:** None of the components are listed.

**New Jersey:** None of the components are listed.  
**Pennsylvania:** None of the components are listed.

### 15.3. International Regulations

**WHMIS (Canada):** Not controlled under WHMIS (Canada)

### 15.4. Inventory List

**United States:** All components are listed or exempted.  
**Australia:** All components are listed or exempted.  
**Canada:** All components are listed or exempted.  
**China:** Not determined.  
**Europe:** All components are listed or exempted.  
**Japan (ENCS):** Not determined.  
**Japan (ISHL):** Not determined.  
**Malaysia:** Not determined.  
**New Zealand:** Not determined.

**Philippines:** All components are listed or exempted.  
**Republic of Korea:** All components are listed or exempted.  
**Taiwan:** Not determined.  
**Thailand:** Not determined.  
**Turkey:** Not determined.  
**Vietnam:** Not determined.



**Safety Data Sheet****SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

**Revision Date** : 10/21/2020  
**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:**

Category 1 (*Grade 15 Only)	Aspiration Hazard
-----------------------------	-------------------

**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  
[www.nalube.com](http://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.*