



## SAFETY DATA SHEET

SDS:  
PGL0281AB

### Cenex® FG White Oil Gear Lubricant ISO 460

Issuing Date 07-19-2023

Revision Date 07-19-2023

Revision Number 2

#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Identifier**

**Product Name** Cenex® FG White Oil Gear Lubricant ISO 460

**Other means of identification**

**Product Code(s)** PGL0281AB

**Synonyms** No information available

**Recommended use of the chemical and restrictions on use**

**Identified uses** Lubricant

**Uses advised against** Consumer use

**Details of the supplier of the safety data sheet**

**Manufacturer**

CHS Inc.  
P.O. Box 64089  
Mail Station 525  
St. Paul, MN 55164-0089  
SDS Information 1-651-355-8445

**Emergency Telephone Number**

CHEMTREC: 1-800-424-9300 (NORTH AMERICA)  
+1-703-527-3887 (INTERNATIONAL)

#### 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Label Elements**

**Emergency Overview**

**Signal Word** None

**Appearance** Clear, amber colored

**Response**

None.

SDS:  
PGL0281AB

# Cenex® FG White Oil Gear Lubricant ISO 460

Issuing Date 07-19-2023

Revision Date 07-19-2023

Revision Number 2

## Eyes

None.

## Skin

None.

## Inhalation

None.

## Ingestion

None.

## Fire

None.

## Spill

None.

## Storage

None.

## Disposal

None.

## Hazards not otherwise classified (HNOC)

None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	60 - 70
White Mineral Oil	8042-47-5	1 - 5

The producer of "PGL0281AB" declares that it contains less than 3% DMSO extractable material by IP-346

## 4. FIRST AID MEASURES

### First Aid Measures

#### Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.

#### Inhalation

Consult a physician. If not breathing, give artificial respiration.

#### Ingestion

Do NOT induce vomiting. Drink plenty of water.

### Most important symptoms and effects, both acute and delayed

#### Symptoms

None known.

### Indication of any immediate medical attention and special treatment needed

#### Notes to Physician

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Flash Point

200 °C - 392 °F

SDS:  
PGL0281AB

# Cenex® FG White Oil Gear Lubricant ISO 460

Issuing Date 07-19-2023

Revision Date 07-19-2023

Revision Number 2

<b><u>Suitable Extinguishing Media</u></b>	Water spray, Carbon dioxide (CO2), Foam, Dry chemical
<b><u>Unsuitable Extinguishing Media</u></b>	Do not use a solid water stream as it may scatter and spread fire.
<b><u>Specific Hazards Arising from the Chemical</u></b>	Thermal decomposition can lead to release of irritating gases and vapors.
<b><u>Explosion Data</u></b>	
<b><u>Sensitivity to Mechanical Impact</u></b>	Not impact sensitive.
<b><u>Sensitivity to Static Discharge</u></b>	May be ignited by friction, heat, sparks or flames.
<b><u>Protective Equipment and Precautions for Firefighters</u></b>	Wear self-contained breathing apparatus and protective suit.

## NFPA

### **6. ACCIDENTAL RELEASE MEASURES**

#### **Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Do not touch or walk through spilled material. Remove all sources of ignition.

#### **Environmental Precautions**

**Environmental Precautions** Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. Refer to protective measures listed in Sections 7 and 8.

#### **Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

**Methods for Cleaning up** Use personal protective equipment. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

### **7. HANDLING AND STORAGE**

#### **Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. For personal protection see section 8.

#### **Conditions for safe storage, including any incompatibilities**

**Technical measures/Storage conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible products** Strong oxidizing agents. Strong acids. Strong bases.

### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **Control parameters**

#### **Exposure Guidelines**

SDS:  
PGL0281AB

# Cenex® FG White Oil Gear Lubricant ISO 460

Issuing Date 07-19-2023

Revision Date 07-19-2023

Revision Number 2

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Petroleum distillates, hydrotreated heavy paraffinic	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> (vacated) TWA: 5 mg/m <sup>3</sup>	IDLH: 2500 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>
White Mineral Oil	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> (vacated) TWA: 5 mg/m <sup>3</sup>	IDLH: 2500 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>

## Appropriate engineering controls

**Engineering Measures**                      Showers  
    Eyewash stations  
    Ventilation systems.

## Individual protection measures, such as personal protective equipment

**Eye/Face Protection**                      Eye protection not needed during typical product use conditions. Wear eye protection as appropriate when handling the bulk formulation.

**Skin and Body Protection**                Long sleeved clothing. Protective gloves.

**Respiratory Protection**                    No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures**                            Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

**Physical state**                                    Liquid  
**Appearance**                                    Clear, amber colored  
**Odor**    Hydrocarbon-like  
**Odor threshold**                                No information available

<u>Property</u>	<u>Values</u>
<b>Melting Point / Freezing Point</b>	No data available
<b>Boiling Point/Range</b>	no data available
<b>Flash Point</b>	200 °C / 392 °F
<b>Upper flammability limit:</b>	No data available
<b>Lower Flammability Limit</b>	No data available
<b>Vapor pressure</b>	No data available
<b>Vapor Density</b>	< 1 ( Air = 1 )
<b>Specific Gravity</b>	0.883
<b>Water solubility</b>	negligible
<b>Partition Coefficient: n-octanol/water</b>	no data available
<b>Autoignition Temperature</b>	No data available
<b>Hyphen</b>	-
<b>Viscosity, kinematic</b>	460 cSt @ 40°C

## 10. STABILITY AND REACTIVITY

**reactivity**                                        No information available

SDS:  
PGL0281AB

# Cenex® FG White Oil Gear Lubricant ISO 460

Issuing Date 07-19-2023

Revision Date 07-19-2023

Revision Number 2

**Chemical stability** Stable under recommended storage conditions

**Possibility of Hazardous Reactions** None under normal processing

**Conditions to Avoid** Heat, flames and sparks Contact with other chemicals

**Incompatible Materials** Strong oxidizing agents. Strong acids. Strong bases.

**Hazardous Decomposition Products** Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke)

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information

**Inhalation** May cause irritation of respiratory tract.

**Eye Contact** Contact with eyes may cause irritation.

**Skin Contact** May cause irritation.

**Ingestion** There is no data available for this product.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	> 15 g/kg ( Rat ) > 24 g/kg ( Rat )	> 5000 mg/kg ( Rabbit )	= 2062 ppm ( Rat ) 4 h
White Mineral Oil 8042-47-5	> 5000 mg/kg ( Rat ) > 24 g/kg ( Rat )	-	= 2062 ppm ( Rat ) 4 h

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

The producer of "PGL0281AB" declares that it contains less than 3% DMSO extractable material by IP-346

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**Target organ effects** Respiratory system, Eyes, Skin.

### Numerical measures of toxicity - Product Information

SDS:  
PGL0281AB

# Cenex® FG White Oil Gear Lubricant ISO 460

Issuing Date 07-19-2023

Revision Date 07-19-2023

Revision Number 2

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7		LC50> 5000 mg/L Oncorhynchus mykiss 96 h		EC50 > 1000 mg/L 48 h
White Mineral Oil 8042-47-5		LC50> 10000 mg/L Lepomis macrochirus 96 h		

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

**Mobility** The product is insoluble and floats on water.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Waste Disposal Methods** Dispose of in accordance with local regulations

**Contaminated Packaging** Do not re-use empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

TSCA	Complies
DSL/NDSL	Complies
NDSL	Complies
EINECS	Not determined
ELINCS	Not determined
ENCS	Not determined
IECSC	Complies
KECL	Not determined
PICCS	Not determined
AICS	Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

SDS:  
PGL0281AB

# Cenex® FG White Oil Gear Lubricant ISO 460

Issuing Date 07-19-2023

Revision Date 07-19-2023

Revision Number 2

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

## U.S. Federal Regulations

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### EPCRA: Emergency Planning and Community Right-to-Know Act

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

### CERCLA

This material does not contain any components with a CERCLA RQ.

## U.S. State Right-to-Know Regulations

### California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical name	California Prop. 65
Ethyl acrylate - 140-88-5	Carcinogen

## U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7		X	X
White Mineral Oil 8042-47-5		X	X
2-Ethylhexyl acrylate 103-11-7	X	X	X
Ethyl acrylate 140-88-5	X	X	X

## NFPA

## **16. OTHER INFORMATION**

Issuing Date 07-19-2023  
Revision Date 07-19-2023  
Reason for revision Initial Release.

### Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing,

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**Revision Number** 2

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storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**