



## SAFETY DATA SHEET

SDS:  
PHY0264AB

### Cenex® FG Synthetic Oil ISO 46

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 Synthetic Oil ISO 46

**Other means of identification**

**Product Code(s)** PHY0264AB

**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 considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Label Elements**

**Emergency Overview**

**Signal Word** None

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** Colorless to yellow **Physical state** Liquid

**Response**

None.

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**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-%
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	68037-01-4	90 - 100

The producer of "PHY0264AB" declares that it contains less than 3% DMSO extractable material by IP-346

### 4. FIRST AID MEASURES

**First Aid Measures**

**General Advice**

If symptoms develop move victim to fresh air. Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.

**Skin Contact**

Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water.

**Inhalation**

Immediate medical attention is not required. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop move victim to fresh air.

**Ingestion**

Drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician. Clean mouth with water.

**Protection of First-aiders**

Use personal protective equipment.

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

**Symptoms**

None known.

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

**Notes to Physician** Treat symptomatically.

## **5. FIRE-FIGHTING MEASURES**

**Flash Point** 276 °C - 529 °F

**Suitable Extinguishing Media** Water spray, Carbon dioxide (CO2), Foam, Dry chemical

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.

**Specific Hazards Arising from the Chemical** Thermal decomposition can lead to release of irritating gases and vapors.

### Explosion Data

**Sensitivity to Mechanical Impact** Not impact sensitive.

**Sensitivity to Static Discharge** May be ignited by friction, heat, sparks or flames.

**Protective Equipment and Precautions for Firefighters** Wear self-contained breathing apparatus and protective suit.

## NFPA

## **6. ACCIDENTAL RELEASE MEASURES**

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Use personal protective equipment. Avoid contact with the skin and the eyes. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

### Environmental Precautions

**Environmental Precautions** Prevent entry into waterways, sewers, basements or confined areas. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning up** Use personal protective equipment. Dam up. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## **7. HANDLING AND STORAGE**

### Precautions for safe handling

**Advice on safe handling** Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Prevent vapor buildup by providing adequate ventilation during and after use.

### Conditions for safe storage, including any incompatibilities

**Technical measures/Storage conditions** Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

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

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Exposure Guidelines

### Appropriate engineering controls

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

### Individual protection measures, such as personal protective equipment

<b>Eye/Face Protection</b>	Eye protection not needed during typical product use conditions. Wear eye protection as appropriate when handling the bulk formulation.
<b>Skin and Body Protection</b>	Long sleeved clothing. Protective gloves.
<b>Respiratory Protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>Hygiene Measures</b>	When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Physical state</b>	Liquid
<b>Appearance</b>	Colorless to yellow
<b>Odor</b>	Hydrocarbon-like
<b>Odor threshold</b>	No information available

### Property

### Values

<b>Melting Point / Freezing Point</b>	No data available
<b>Boiling Point/Range</b>	no data available
<b>Flash Point</b>	276 °C / 529 °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>	0.832
<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>	46 cSt @ 40°C

## 10. STABILITY AND REACTIVITY

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<b><u>reactivity</u></b>	No information available
<b><u>Chemical stability</u></b>	Stable under recommended storage conditions
<b><u>Possibility of Hazardous Reactions</u></b>	None under normal processing
<b><u>Conditions to Avoid</u></b>	Heat, flames and sparks Contact with other chemicals
<b><u>Incompatible Materials</u></b>	Strong oxidizing agents. Strong acids. Strong bases.
<b><u>Hazardous Decomposition Products</u></b>	Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke)

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information
<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye Contact</b>	Contact with eyes may cause irritation.
<b>Skin Contact</b>	May cause irritation.
<b>Ingestion</b>	There is no data available for this product.

### Component Information

### 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 "PHY0264AB" 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.

**Chronic Toxicity** Avoid repeated exposure.  
**Target organ effects** Respiratory system, Eyes, Skin.

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 10145  
**ATEmix (dermal)** 10145

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### 12. ECOLOGICAL INFORMATION

<u>Ecotoxicity</u>	None known
<u>Persistence and Degradability</u>	No information available.
<u>Bioaccumulation</u>	No information available.
<u>Mobility</u>	The product is insoluble and floats on water.

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Waste Disposal Methods** Should not be released into the environment 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

This product contains one or more substances that are listed with the State of California as a hazardous waste

### 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

**DSL/NDSL** - 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

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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 contains a chemical or 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 does not contain any Proposition 65 chemicals

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

This product does not contain any substances regulated by state right-to-know regulations

### **NFPA**

## 16. OTHER INFORMATION

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Reason for revision General Information.

### **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, 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.

SDS is available at [www.LElubricants.com](http://www.LElubricants.com)

**End of Safety Data Sheet**