

# SAFETY DATA SHEET

## 1. Identification of the hazardous chemical and of the supplier

**Product identifier:** LBF SYNCURVE

**Other means of identification:** No data available.

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

**Recommended use:** Lubricating fluid

**Recommended restrictions:** Industrial use only

**Manufacturer/Importer/Distributor Information**

### Manufacturer

Company Name: Fuchs Lubricants Co.  
Address: 17050 Lathrop Avenue  
Harvey, Illinois 60426  
Telephone: 708-333-8900  
Fax: 708-333-9180

Contact Person: EHS Department  
E-mail: sds@fuchs.com

**Emergency telephone number:** 708-333-8900 (Bus. hrs) 800-255-3924 (24 hrs)

## 2. Hazard(s) identification

### Hazard Classification

#### Health Hazards

Acute toxicity (Oral)	Category 5
Acute toxicity (Dermal)	Category 5
Skin Corrosion/Irritation	Category 3

#### Unknown toxicity - Health

Acute toxicity, oral	9.11 %
Acute toxicity, dermal	10.61 %
Acute toxicity, inhalation, vapor	14.15 %
Acute toxicity, inhalation, dust or mist	98.1 %

### Label Elements

**Hazard Symbol:** No symbol

**Signal Word:** Warning

**Hazard Statement:** H303+H313: May be harmful if swallowed or in contact with skin.  
H316: Causes mild skin irritation.

**Precautionary  
Statements**

**Response:** P312: Call a POISON CENTER or doctor/ physician if you feel unwell.  
P332+P313: If skin irritation occurs: Get medical advice/attention.

### 3. Composition/information on ingredients

**Mixtures**

Chemical Identity	CAS number	Content in percent (%)*
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	60 - 100%
Silane, dichlorodimethyl-, reaction products with silica	68611-44-9	7 - 13%
2-6-di-tert-butyl-p-cresol	128-37-0	1 - 5%
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	80939-62-4	1 - 5%
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	0.5 - 5%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

**Inhalation:** Move to fresh air. Call a POISON CENTER/doctor if you feel unwell.

**Skin Contact:** Remove contaminated clothing and shoes. Wash contact areas with soap and water. If skin irritation occurs: Get medical advice/attention.

**Eye contact:** Flush thoroughly with water. If irritation occurs, get medical assistance. Continue to rinse for at least 15 minutes.

**Ingestion:** Rinse mouth thoroughly. Call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting.

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

**Symptoms:** No data available.

**Hazards:** No data available.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** Get medical attention if symptoms occur.

## 5. Fire-fighting measures

**General Fire Hazards:** No unusual fire or explosion hazards noted.

### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Water spray, fog, CO<sub>2</sub>, dry chemical, or regular foam. Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** Heat may cause the containers to explode. During fire, gases hazardous to health may be formed.

### Special protective equipment and precautions for fire-fighters

**Special fire-fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. Ensure adequate ventilation.

**For non-emergency personnel:** No data available.

**For emergency responders:** No data available.

**Methods and material for containment and cleaning up:** Absorb with sand or other inert absorbent. Stop the flow of material, if this is without risk.

**Environmental Precautions:** Avoid release to the environment. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

## 7. Handling and storage

**Precautions for safe handling:** Observe good industrial hygiene practices. Wear appropriate personal protective equipment. Do not expose to intense heat as product may expand and pressurize container. Provide adequate ventilation.

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

Store in original tightly closed container. Avoid contact with oxidizing agents. Store away from incompatible materials.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	VLE-PPT	5 mg/m <sup>3</sup>	Mexico. OELs. (NOM-010-STPS-2014 Chemical Pollutants at the Workplace; Assessment and Control), as amended (04 2014)
Silane, dichlorodimethyl-, reaction products with silica - Inhalable fraction.	VLE-PPT	10 mg/m <sup>3</sup>	Mexico. OELs. (NOM-010-STPS-2014 Chemical Pollutants at the Workplace; Assessment and Control), as amended (04 2014)
Silane, dichlorodimethyl-, reaction products with silica - Respirable fraction.	VLE-PPT	3 mg/m <sup>3</sup>	Mexico. OELs. (NOM-010-STPS-2014 Chemical Pollutants at the Workplace; Assessment and Control), as amended (04 2014)
2-6-di-tert-butyl-p-cresol - Inhalable fraction and vapor.	VLE-PPT	2 mg/m <sup>3</sup>	Mexico. OELs. (NOM-010-STPS-2014 Chemical Pollutants at the Workplace; Assessment and Control), as amended (04 2014)
Distillates (petroleum), hydrotreated heavy paraffinic	VLE-PPT	5 mg/m <sup>3</sup>	Mexico. OELs. (NOM-010-STPS-2014 Chemical Pollutants at the Workplace; Assessment and Control), as amended (04 2014)

**Appropriate Engineering Controls**

No data available.

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

**General information:** Use personal protective equipment as required.

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

**Skin Protection**

**Hand Protection:** No data available.

**Other:**

Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

**Respiratory Protection:**

In case of inadequate ventilation use suitable respirator. Seek advice from supervisor on the company's respiratory protection standards.

**Hygiene measures:**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

## 9. Physical and chemical properties

### Appearance

Physical state:	solid
Form:	Grease
Color:	White

Odor: No data available.

Odor threshold: No data available.

pH: No data available.

Melting point/freezing point: No data available.

Initial boiling point and boiling range: No data available.

Flash Point: No data available.

Evaporation rate: No data available.

Flammability (solid, gas): No data available.

### Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%): No data available.

Flammability limit - lower (%): No data available.

Explosive limit - upper: No data available.

Explosive limit - lower: No data available.

Vapor pressure: No data available.

Vapor density: No data available.

Density: No data available.

Relative density: 1.1

### Solubility(ies)

Solubility in water: Insoluble

Solubility (other): No data available.

Partition coefficient (n-octanol/water): No data available.

Auto-ignition temperature: No data available.

Decomposition temperature: No data available.

Viscosity: No data available.

## 10. Stability and reactivity

Reactivity: Not reactive during normal use.

Chemical Stability: Material is stable under normal conditions.

Possibility of hazardous reactions: None under normal conditions.

Conditions to avoid: Avoid heat or contamination.

Incompatible Materials: No data available.

**Hazardous Decomposition  
Products:**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
<b>Skin Contact:</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact:</b>	Eye contact is possible and should be avoided.
<b>Ingestion:</b>	May be ingested by accident. Ingestion may cause irritation and malaise.

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

<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.
<b>Ingestion:</b>	No data available.

### Information on toxicological effects

#### Acute toxicity (list all possible routes of exposure)

<b>Oral Product:</b>	ATEmix (): 2000 - 5000 mg/kg
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<b>Dermal Product:</b>	ATEmix (): 2000 - 5000 mg/kg
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<b>Inhalation Product:</b>	No data available.
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<b>Specified substance(s):</b> Distillates (petroleum), hydrotreated heavy paraffinic	LC 50 (Rat): > 5 mg/l
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<b>Repeated dose toxicity Product:</b>	No data available.
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<b>Skin Corrosion/Irritation Product:</b>	No data available.
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**Specified substance(s):**

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	in vivo (Rabbit): Not irritant , 24 h Experimental result, Supporting study in vivo (Rabbit): Category 2 , 24 - 72 h Experimental result, Key study
2-6-di-tert-butyl-p-cresol	in vivo (Rabbit): Not irritant , 24 - 72 h Experimental result, Key study
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	in vivo (Rabbit): Category 2 Experimental result, Key study Irritating.
Distillates (petroleum), hydrotreated heavy paraffinic	in vivo (Rabbit): Not irritant , 24 h Experimental result, Supporting study

### Serious Eye Damage/Eye Irritation

**Product:** No data available.

#### Specified substance(s):

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	Rabbit, 24 h: Not irritant EU Rabbit, 24 h: Not irritant EU Rabbit, 48 h: Not irritant EU Rabbit, 48 h: Not irritant EU
2-6-di-tert-butyl-p-cresol	Rabbit, 24 - 72 h: Not irritant EU Rabbit, 24 - 72 h: Not irritant EU Rabbit, 24 - 72 h: Not irritant EU
Distillates (petroleum), hydrotreated heavy paraffinic	Rabbit, 24 h: Not irritant EU Rabbit, 24 h: Not irritant EU Rabbit, 48 h: Not irritant EU Rabbit, 48 h: Not irritant EU

### Respiratory or Skin Sensitization

**Product:** No data available.

### Carcinogenicity

**Product:** No data available.

### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

### Germ Cell Mutagenicity

#### In vitro

**Product:** No data available.

#### In vivo

**Product:** No data available.

### Reproductive toxicity

**Product:** No data available.

### Specific Target Organ Toxicity - Single Exposure

**Product:** No data available.

### Specific Target Organ Toxicity - Repeated Exposure

<b>Product:</b>	No data available.
<b>Aspiration Hazard Product:</b>	No data available.
<b>Other effects:</b>	Upper Respiratory Tract irritation

## 12. Ecological information

### Ecotoxicity:

#### Acute hazards to the aquatic environment:

##### Fish

<b>Product:</b>	No data available.
<b>Specified substance(s):</b>	
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	LL 50 (Fish, 96 h): > 100 mg/l
2-6-di-tert-butyl-p-cresol	LC 50 (Medaka, high-eyes ( <i>Oryzias latipes</i> ), 24 h): 5.3 mg/l Mortality LC 50 (Medaka, high-eyes ( <i>Oryzias latipes</i> ), 48 h): 5.3 mg/l Mortality
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	LC 50 ( <i>Oncorhynchus mykiss</i> , 48 h): 1.2 mg/l
Distillates (petroleum), hydrotreated heavy paraffinic	LL 50 (Fathead Minnow, 96 h): > 100 mg/l

##### Aquatic Invertebrates

<b>Product:</b>	No data available.
<b>Specified substance(s):</b>	
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	LL 50 ( <i>Daphnia</i> , 96 h): > 1,000 mg/l
2-6-di-tert-butyl-p-cresol	EC50 (Water flea ( <i>Daphnia pulex</i> ), 48 h): 1.44 mg/l Intoxication
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	LC 50 ( <i>Daphnia</i> , 48 h): 1.2 mg/l



## Chronic hazards to the aquatic environment:

### Fish

**Product:** No data available.

### Aquatic Invertebrates

**Product:** No data available.

### Toxicity to Aquatic Plants

**Product:** No data available.

### Specified substance(s):

Amines, C11-14-  
branched alkyl,  
monohexyl and dihexyl  
phosphates

EC50 (Algae (*Pseudokirchneriella subcapitata*), 72 h): > 10 mg/l

## Persistence and Degradability

### Biodegradation

**Product:** No data available.

### BOD/COD Ratio

**Product:** No data available.

## Bioaccumulative potential

### Bioconcentration Factor (BCF)

**Product:** No data available.

## Partition Coefficient n-octanol / water (log Kow)

**Product:** No data available.

### Specified substance(s):

2-6-di-tert-butyl-p-cresol

Log Kow: 5.10  
Log Kow: 5.11 - 5.2 No Experimental result, Weight of Evidence study

Amines, C11-14-  
branched alkyl,  
monohexyl and dihexyl  
phosphates

Log Kow: 1.5 - 2.3 23 °C Yes Experimental result, Supporting study

## Mobility in soil:

No data available.

## Known or predicted distribution to environmental compartments

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	No data available.
Silane, dichlorodimethyl-, reaction products with silica	No data available.
2-6-di-tert-butyl-p-cresol	No data available.
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	No data available.
Distillates (petroleum), hydrotreated heavy paraffinic	No data available.

**Other adverse effects:** No data available.

### 13. Disposal considerations

**Disposal instructions:** Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. It is the responsibility of the product user or owner to determine at the time of disposal, which waste regulations must be applied.

**Contaminated Packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

**DOT**  
Not Regulated.

**IATA**  
Not Regulated.

**IMDG**  
Not Regulated.

### 15. Regulatory information

**Safety, health and environmental regulations specific for the product in question**

**Mexico. Substances subject to reporting for the pollutant release and transfer registry (PRTR)**  
Not applicable

**Mexico. Federal Law for the Control of Chemical Substances Susceptible to Diversion to Manufacturing of Chemical Weapons, Appendix 1: National list of chemical substances**  
Not applicable

**Mexico. Wastewater Discharges - Maximum Limits into Coastal Waters, Dams, Rivers, Soil and Wetlands (NOM-001-ECOL)**

none

**Mexico. Hazardous Chemicals (NOM-028-STPS-2012, System for administration of workplace safety in the process and critical equipment for handling hazardous chemicals, Appendix A, Table A.I)**

Not applicable

**Mexico. Narcotic Drugs List (General Health Law, Articles 234 & 239, Feb. 7, 1984)**

Not applicable

**Mexico. Psychotropic Drugs (General Health Law, Feb. 7, 1984, Articles 245 & 254 Bis)**

Not applicable

#### 16. Other information, including date of preparation or last revision

**Issue Date:** 03/13/2025

**Revision Information:** 03/13/2025: ARGHS\_MX

**Version #:** 1.0

**Further Information:** No data available.

**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.