

SAFETY DATA SHEET

1. Identification

Product name

MARINE RENOLIN UNISYN CLP 460

Other means of identification	No data available.
Recommended use:	Lubricating fluid
Restrictions on use:	Industrial use only

Manufacturer/Importer/Supplier/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@fuchsus.com

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

2. Hazard(s) identification

Hazard Classification

Not classified as hazardous

Label Elements

Hazard Symbol:	No symbol
Signal Word:	No signal word.
Hazard Statement:	Not applicable
Precautionary Statements	Not applicable

None.



3. Composition/information on ingredients

Hazardous Component(s):

Chemical name	CAS-No.	Concentration
Diisotridecyl adipate	Confidential	10 - <25%
Olefin sulfide	Confidential	0.1 - <1%
Mineral oil	Confidential	0.1 - <1%

Specific chemical identities and/or exact percentages have been withheld as trade secrets.

4. First-aid measures			
Ingestion:	Rinse mouth thoroughly.		
Inhalation:	Move to fresh air.		
Skin Contact:	Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Wash contact areas with soap and water. Get medical attention.		
Eye contact:	Rinse immediately with plenty of water.		
Most important symptoms/effects, acute and delayed			
Symptoms:	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:	Use fire-extinguishing media appropriate for surrounding materials. Water spray, fog, CO2, dry chemical, or regular foam.		
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.		
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.		
Special protective equipment and precautions for firefighters			
Special fire fighting procedures: SDS_US	No data available.		



Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
6. Accidental release measures	S	
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.	
Methods and material for containment and cleaning up:	Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.	
Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.	
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.	
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

Exposure Limits

Chemical name	Туре	Exposure Limit Values	Source
Mineral oil - Mist.	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)

Protective Measures:	Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Eye Protection:	Wear goggles/face shield.
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

Physical state:LiquidForm:No data available.Color:AmberOdor:Mild petroleum/solventOdor 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:> 300 °C (572 °F)Evaporation rate:No data available.Flarmability (solid, gas):No data available.Upper/lower limit on flarmability or explosive limitsNo data available.Flarmability limit - upper (%):No data available.Flarmability limit - lower (%):No data available.Explosive limit - lower (%):No data available.Vapor pressure:No data available.Vapor density:No data available.Solubility (other):No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Partition coefficient (n-octanol/water): <th< th=""><th>Appearance</th><th></th></th<>	Appearance	
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	Auto-ignition temperature:	No data available.
Viscosity: 466.9 mm2/s (40 °C, Measured)	Decomposition temperature:	No data available.
	Viscosity:	466.9 mm2/s (40 °C, Measured)

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	None under normal conditions.
Conditions to avoid:	Avoid heat or contamination. 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 Ingestion:	exposure May be ingested by accident. Ingestion may cause irritation and malaise.		
Inhalation:	Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.		
Skin Contact:	Prolonged skin contact may cause redness and irritation.		
Eye contact:	Eye contact is possible and should be avoided.		
Symptoms related to the physic Ingestion:	cal, chemical and toxicological characteristics No data available.		
Inhalation:	No data available.		
Skin Contact:	No data available.		
Eye contact:	No data available.		
Information on toxicological eff	ects		
Acute toxicity (list all possib	le routes of exposure)		
Oral Product:	Not classified for acute toxicity based on available data.		
Dermal Product:	Not classified for acute toxicity based on available data.		
Inhalation Product:	Not classified for acute toxicity based on available data.		
Repeated dose toxicity Product:	No data available.		
Skin Corrosion/Irritation Product:	No data available.		
Serious Eye Damage/Eye Irrita Product:	tion No data available.		
Respiratory or Skin Sensitizati Product:	on No data available.		
Carcinogenicity			



Product:

No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): 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 Toxic Product:	ity - Single Exposure No data available.
Specific Target Organ Toxic Product:	ity - Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.

12. Ecological information

General information:	This product has not been evaluated for ecological toxicity or other environmental effects.
13. Disposal considerations	5
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.
Contaminated Packaging:	No data available.



14. Transport information

DOT

Not regulated.

IMDG Not regulated.

IATA

Not regulated.

15. Regulatory information

US Federal Regulations

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Not classified as hazardous

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65



WARNING: This product can expose you to chemicals including, Methyl isobutyl ketoneCadmiumEthylene oxideBenzene, which is [are] known to the State of California to cause cancer and birth defects or other reproductive harm.

2-Propenoic acid, ethyl esterNaphthaleneArsenic1,4-DioxanePropylene oxide, which is [are] known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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

Issue Date:	24.09.2018
Revision Date:	05.08.2018
Version #:	1.3
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.