

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: RENOCLEAN L 999

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Degreaser

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier FUCHS LUBRICANTES, S.A.U.
Ferralla 27
08755 Castellbisbal (Barcelona)

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1.4 Emergency telephone number: +34 902217171 / +34 935475859

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to regulation (EU) 1272/2008 (CLP).

Classification according to Regulation (EC) No 1272/2008 as amended.

Health Hazards

Skin corrosion	Category 1A	H314: Causes severe skin burns and eye damage.
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Serious eye damage	Category 1	H318: Causes serious eye damage.
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Hazard summary

Physical Hazards: No data available.

2.2 Label Elements

Contains: Phosphoric acid
Alcohol ethoxylate

Product name: RENOCLEAN L 999



Signal Words: Danger

Hazard Statement(s): H314: Causes severe skin burns and eye damage.

Precautionary Statement

Prevention: P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response: P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P310: Immediately call a POISON CENTER/doctor/...
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards: By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information: Mixture based on ionic- and nonionic tensides in combination with stabilizers. This product is applied only as solution or emulsion in water.

Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
Phosphoric acid	EINECS: 231-633-2	20,00 - <50,00%		
Alcohol ethoxylate	Polymer	10,00 - <30,00%	02-2119630747-33	

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

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Identifier	Classification
Phosphoric acid	EINECS: 231-633-2	CLP: Skin Corr. 1B;H314, Met. Corr. 1;H290
Alcohol ethoxylate	Polymer	CLP: Eye Dam. 1;H318, Acute Tox. 4;H302

CLP: Regulation No. 1272/2008.

For the wording of the listed risk phrases refer to section 16.

Product name: RENOCLEAN L 999

SECTION 4: First aid measures

General: Instantly remove any clothing soiled by the product.

4.1 Description of first aid measures

Inhalation: If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen. Supply fresh air; consult doctor in case of symptoms. (eventually by inhaling the overheated product)

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Skin Contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Destroy or thoroughly clean contaminated shoes. Get medical attention.

Ingestion: Rinse mouth. Never give liquid to an unconscious person. Do not induce vomiting without advice from poison control center. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed: Risk of serious damage to eyes. Causes burns.

4.3 Indication of any immediate medical attention and special treatment needed When handing over this safety data sheet, please make the remark: "Cleaner". Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: CO₂, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

Unsuitable extinguishing media: Water with a full water jet.

5.2 Special hazards arising from the substance or mixture: During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters

Special fire fighting procedures: Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. In case of spills, beware of slippery floors and surfaces.
- 6.2 Environmental Precautions:** Prevent from spreading (e.g. by binding or oil barriers). Avoid release to the environment. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water.
- 6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust). Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.
- 6.4 Reference to other sections:** See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.
- Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

SECTION 7: Handling and storage:

- 7.1 Precautions for safe handling:** Prevent formation of aerosols. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Observe good industrial hygiene practices. Provide adequate ventilation.
- 7.2 Conditions for safe storage, including any incompatibilities:** Local regulations concerning handling and storage of waterpolluting products have to be followed.
- 7.3 Specific end use(s):** not applicable

Storage Class: 8B, 8B (Non-combustible corrosive substances)

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	type	Exposure Limit Values	Source
Phosphoric acid	STEL	2 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Phosphoric acid	TWA	1 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

8.2 Exposure controls

Product name: RENOCLEAN L 999

Appropriate engineering controls: Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information: Wash hands before breaks and after work. 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. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

Eye/face protection: Safety glasses (EN 166) recommended during refilling. Avoid contact with eyes. Wear closed protection glasses.

Skin protection
Hand Protection: Material: Nitrile butyl rubber (NBR). Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other: Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

Respiratory Protection: Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.

Thermal hazards: Not known.

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.

Environmental Controls: No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	Amber
Odor:	Characteristic
Odor Threshold:	Not applicable for mixtures
pH:	1,0 (DIN 51369)
Freezing point:	Not applicable for mixtures

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Boiling Point:	100 °C
Flash Point:	not applicable
Evaporation Rate:	Not applicable for mixtures
Flammability (solid, gas):	Value not relevant for classification
Flammability Limit - Upper (%)—:	Not applicable for mixtures
Flammability Limit - Lower (%)—:	Not applicable for mixtures
Vapor pressure:	Not applicable for mixtures
Vapor density (air=1):	Not applicable for mixtures
Density:	1,30 g/cm ³ (20 °C) (DIN 51757)
Solubility(ies)	
Solubility in Water:	Soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable for mixtures
Autoignition Temperature:	Value not relevant for classification
Decomposition Temperature:	Value not relevant for classification
Flow time	Value not relevant for classification
Explosive properties:	Value not relevant for classification
Oxidizing properties:	Value not relevant for classification
9.2 Other information	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Stable under normal use conditions.
10.2 Chemical Stability:	Stable under normal use conditions.
10.3 Possibility of hazardous reactions:	Stable under normal use conditions.
10.4 Conditions to avoid:	Stable under normal use conditions.
10.5 Incompatible Materials:	Strong oxidizing substances. Strong acids. Strong bases.
10.6 Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation:	No data available.
Ingestion:	No data available.
Skin Contact:	Causes severe skin burns.
Eye contact:	Causes serious eye damage.

Product name: RENOCLEAN L 999

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:	ATEmix: 3.654,44 mg/kg
Specified substance(s)	
Phosphoric acid	LD 50 (Rat): 2.600 mg/kg (OECD 423)
Alcohol ethoxylate	LD 50 (Rat): 500 - 2.000 mg/kg

Dermal

Product:	Not classified for acute toxicity based on available data.
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Specified substance(s)

Phosphoric acid	LD 50 (Rabbit): 2.740 mg/kg
Alcohol ethoxylate	LD 50 (Rabbit): > 2.001 mg/kg

Inhalation

Product:	Not classified for acute toxicity based on available data.
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Specified substance(s)

Phosphoric acid	No data available.
Alcohol ethoxylate	No data available.

Repeated dose toxicity

Product:	No data available.
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Specified substance(s)

Phosphoric acid	No data available.
Alcohol ethoxylate	No data available.

Skin Corrosion/Irritation:

Product:	No data available.
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Specified substance(s)

Phosphoric acid	(Rabbit, 24 h): Corrosive.
Alcohol ethoxylate	OECD 404 (Rabbit): Not irritant.

Serious Eye Damage/Eye Irritation:

Product:	No data available.
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Specified substance(s)

Phosphoric acid	No data available.
Alcohol ethoxylate	No data available.

Respiratory or Skin Sensitization:

Product:	No data available.
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Product name: RENOCLEAN L 999

Specified substance(s)

Phosphoric acid	No data available.
Alcohol ethoxylate	No sensitizing effect (guinea pig); OECD 406

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Phosphoric acid	No data available.
Alcohol ethoxylate	No data available.

In vivo

Product: No data available.

Specified substance(s)

Phosphoric acid	No data available.
Alcohol ethoxylate	No data available.

Carcinogenicity

Product: No data available.

Specified substance(s)

Phosphoric acid	No data available.
Alcohol ethoxylate	No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)

Phosphoric acid	No data available.
Alcohol ethoxylate	No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Phosphoric acid	No data available.
Alcohol ethoxylate	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Phosphoric acid	No data available.
Alcohol ethoxylate	No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s)

Product name: RENOCLEAN L 999

Phosphoric acid	No data available.
Alcohol ethoxylate	No data available.

Other Adverse Effects: No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

Phosphoric acid	LC 50 (Fish, 96 h): 138 mg/l
Alcohol ethoxylate	LC 50 (Fish, 96 h): > 10,1 mg/l (OECD 203)

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Phosphoric acid	EC 50 (Water Flea, 48 h): > 101 mg/l (OECD 202)
Alcohol ethoxylate	EC 50 (Water Flea, 48 h): > 10,1 mg/l

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

Phosphoric acid	No data available.
Alcohol ethoxylate	No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Phosphoric acid	No data available.
Alcohol ethoxylate	No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Phosphoric acid	EC 50 (Alga, 72 h): > 101 mg/l (OECD 201)
Alcohol ethoxylate	EC 50 (Alga, 72 h): > 10,1 mg/l

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Product name: RENOCLEAN L 999

Specified substance(s)

Phosphoric acid	> 70 % (25 d) Readily biodegradable
Alcohol ethoxylate	Readily biodegradable

12.3 Bioaccumulative Potential

Product: No data available.

Specified substance(s)

Phosphoric acid	No data available.
Alcohol ethoxylate	No data available.

12.4 Mobility in Soil: No data available.

Known or predicted distribution to environmental compartments

Phosphoric acid	No data available.
Alcohol ethoxylate	No data available.

12.5 Results of PBT and vPvB assessment: The product does not contain any substances fulfilling the PBT/vPvB criteria.

12.6 Other Adverse Effects: No data available.

Water Hazard Class (WGK): WGK 1: slightly water-endangering.

SECTION 13: Disposal considerations
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13.1 Waste treatment methods

General information: Dispose in accordance with all applicable regulations.

Disposal methods: Do not empty into drains; dispose of this material and its container in a safe way. When storing used products, ensure that the waste categories and mixing instructions are observed.

European Waste Codes

12 03 01*: aqueous washing liquids

Product name: RENOCLEAN L 999

SECTION 14: Transport information

ADR/RID

- | | |
|------------------------------------|--|
| 14.1 UN Number: | UN 3265 |
| 14.2 UN Proper Shipping Name: | CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.(phosphoric acid, solution) |
| 14.3 Transport Hazard Class(es) | |
| Class: | 8 |
| Label(s): | 8 |
| Hazard No. (ADR): | 80 |
| Tunnel restriction code: | (E) |
| 14.4 Packing Group: | III |
| 14.5 Environmental hazards: | — |
| 14.6 Special precautions for user: | — |

IMDG

- | | |
|------------------------------------|--|
| 14.1 UN Number: | UN 3265 |
| 14.2 UN Proper Shipping Name: | CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.(phosphoric acid, solution, ácido dodecylbencenosulfónico, ETHANOL AMINE) |
| 14.3 Transport Hazard Class(es) | |
| Class: | 8 |
| Label(s): | 8 |
| EmS No.: | F-A, S-B |
| 14.3 Packing Group: | III |
| 14.5 Environmental hazards: | — |
| 14.6 Special precautions for user: | — |

IATA

- | | |
|------------------------------------|--|
| 14.1 UN Number: | UN 3265 |
| 14.2 Proper Shipping Name: | Corrosive liquid, acidic, organic, n.o.s.(phosphoric acid, solution) |
| 14.3 Transport Hazard Class(es): | |
| Class: | 8 |
| Label(s): | 8 |
| 14.4 Packing Group: | III |
| 14.5 Environmental hazards: | — |
| 14.6 Special precautions for user: | — |

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

EU Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

Product name: RENOCLEAN L 999

National Regulations

Local regulations are to be kept

Water Hazard Class (WGK):

WGK 1: slightly water-endangering.

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Revision Information:

Vertical lines in the margin indicate an amendment.

Wording of the H-statements in section 2 and 3

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

Other information:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies. The classification results from the Conventional Method mentioned in regulation EU 1272/2008 (CLP).

Revision Date:

10.12.2015

Disclaimer:

The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.