

SAFETY DATA SHEET

acc.to ISO/DIS 11014 for USA

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: RENOCLEAN GMO 2203

Other means of identification: For further information, please refer to section 9 of the SDS.

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

Identified uses: Cleaning agent/ Cleaner

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier

Fuchs Schmierstoffe GmbH
Friesenheimer Str. 19
68169 Mannheim

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Fax:

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US Distributor

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Harvey, IL 60426

(708) 333-8900

(800) 255-3924 24 hrs Emergency

Contact for request of safety data sheets

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1.4 US contact telephone :

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Emergency telephone:

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2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Physical Hazards

Flammable liquids

Category 3

Product name: RENOCLEAN GMO 2203

Hazard summary

Physical Hazards:

This product does not sustain combustion according to the UN Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria, Part III, section 32, test L.2.

2.2 Label Elements



Signal Words: Warning

Hazard Statement(s): H226: Flammable liquid and vapor.

Precautionary Statements

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P240: Ground and bond container and receiving equipment.
P241: Use explosion-proof electrical equipment.
P242: Use non-sparking tools.
P243: Take action to prevent static discharges.
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 [or shower].
P370: In case of fire:
P378: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.

Disposal:

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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. 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.

Unknown toxicity:

Due to information available product does not contain any ingredients of unknown toxicity.

Product name: RENOCLEAN GMO 2203

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

General information: Mixture based on ionic- and nonionic tensides in combination with stabilizers.

Chemical name	Identifier	Concentration *	Notes
Isopropyl alcohol	67-63-0	5.00 - <10.00%	
Ethyl alcohol	64-17-5	1.00 - <5.00%	
Butanone	78-93-3	0.00 - <0.10%	

* 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
Isopropyl alcohol	67-63-0	Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336
Ethyl alcohol	64-17-5	, Flam. Liq. 2;H225
Butanone	78-93-3	, Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336

4 FIRST AID MEASURES

General: Instantly remove any clothing soiled by the product.

4.1 Description of first aid measures

Inhalation: Supply fresh air; consult doctor in case of symptoms.

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids.

Skin Contact: Wash with soap and water.

Ingestion: Rinse mouth thoroughly.

4.2 Most important symptoms and effects, both acute and delayed: May cause skin and eye irritation.

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

Product name: RENOCLEAN GMO 2203

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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: In case of spills, beware of slippery floors and surfaces. Keep away from sources of ignition - No smoking.

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.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling: 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): No data available.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Product name: RENOCLEAN GMO 2203

8.1.Exposure Limits

Chemical name	Type	Exposure Limit Values		Source
Isopropyl alcohol	PEL	400 ppm	980 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
Isopropyl alcohol	TWA	400 ppm	980 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Isopropyl alcohol	STEL	500 ppm	1,225 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Isopropyl alcohol	TWA	200 ppm		US. ACGIH Threshold Limit Values, as amended (02 2012)
Isopropyl alcohol	STEL	400 ppm		US. ACGIH Threshold Limit Values, as amended (02 2012)
Ethyl alcohol	PEL	1,000 ppm	1,900 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
Ethyl alcohol	TWA	1,000 ppm	1,900 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Ethyl alcohol	STEL	1,000 ppm		US. ACGIH Threshold Limit Values, as amended (02 2012)
Butanone	PEL	200 ppm	590 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
Butanone	TWA	200 ppm	590 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Butanone	STEL	300 ppm	885 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Butanone	TWA	200 ppm		US. ACGIH Threshold Limit Values, as amended (02 2012)
Butanone	STEL	300 ppm		US. ACGIH Threshold Limit Values, as amended (02 2012)

8.2.Exposure controls

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:

Avoid contact with skin and eyes. Goggles/face shield are recommended. If risk of splashing, wear safety goggles or face shield.

Product name: RENOCLEAN GMO 2203

Skin protection

Hand Protection:

Material: Nitrile butyl rubber (NBR).
 Min. Breakthrough time: ≥ 480 min
 Recommended thickness of the material: ≥ 0.38 mm

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:

Do not breathe dust/fume/gas/mist/vapors/spray. Provide adequate ventilation. In case of inadequate ventilation wear respiratory protection. Filter A/P2.

Thermal hazards:

No data available.

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.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	liquid
Form:	liquid
Color:	Colorless
Odor:	Characteristic
Odor Threshold:	Not applicable for mixtures
pH:	6.1 (DIN 19268, 20 °C)
Freezing point:	< 0 °C
Boiling Point:	> 80 °C
Flash Point:	> 35 °C (DIN EN ISO 2719)
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
Relative vapor density:	Not applicable for mixtures
Density:	0.98 g/cm ³ (15 °C) (DIN 51757)
Solubility(ies)	
Solubility in Water:	Miscible with water.
Solubility (other):	No data available.

Product name: RENOCLEAN GMO 2203

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.

11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation:	No data available.
Ingestion:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.

Acute toxicity

Oral

Product:

Specified substance(s)	Not classified for acute toxicity based on available data.
Isopropyl alcohol	LD 50 (Rat): 4,570 mg/kg
Ethyl alcohol	LD 50 (Rat): 7,060 mg/kg
Butanone	LD 50 (Rat): 3,300 mg/kg

Product name: RENOCLEAN GMO 2203

Dermal

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

Isopropyl alcohol

LD 50 (Rabbit): 13,400 mg/kg

Ethyl alcohol

LD 50 (Rabbit): > 10,000 mg/kg (OECD 402)

Butanone

LD 50 (Rabbit): > 5,000 mg/kg

Inhalation

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

Isopropyl alcohol

LC 50 (Rat, 4 h): 30 mg/l

Skin Corrosion/Irritation:

Product:

Based on available data, the classification criteria are not met.

Serious Eye Damage/Eye Irritation:

Product:

Based on available data, the classification criteria are not met.

Respiratory or Skin Sensitization:

Product:

Skin sensitizer: Based on available data, the classification criteria are not met.

Respiratory sensitizer: Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity

Product:

Based on available data, the classification criteria are not met.

Carcinogenicity

Product:

Based on available data, the classification criteria are not met.

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

No carcinogenic components identified

NTP: US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

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

No carcinogenic components identified

Reproductive toxicity

Product:

Based on available data, the classification criteria are not met.

Product name: RENOCLEAN GMO 2203

Specific Target Organ Toxicity - Single Exposure

Product: Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Repeated Exposure

Product: Based on available data, the classification criteria are not met.

Aspiration Hazard

Product: Based on available data, the classification criteria are not met.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity

Product: Based on available data, the classification criteria are not met.

Fish

Specified substance(s)

Isopropyl alcohol LC 50 (Fish, 96 h): 9,640 mg/l

Ethyl alcohol LC 50 (Fish, 96 h): 1,100 mg/l

Butanone LC 50 (Fish, 96 h): 3,220 mg/l

Aquatic Invertebrates

Specified substance(s)

Isopropyl alcohol LC 50 (48 h): 1,400 mg/l

Ethyl alcohol EC 50 (Water Flea, 48 h): 9,268 - 14,221 mg/l

Butanone EC 50 (Water Flea, 48 h): 5,091 mg/l

Chronic ToxicityProduct: Based on available data, the classification criteria are not met.

Toxicity to Aquatic Plants

Specified substance(s)

Isopropyl alcohol LC 50 (Alga, 72 h): > 100 mg/l

Butanone EC 50 (Alga, 72 h): 1,972 mg/l (OECD 201)

12.2 Persistence and Degradability

Biodegradation

Product: Not applicable for mixtures

Specified substance(s)

Butanone 98 % (28 d, OECD 301B)

12.3 Bioaccumulative potential

Product: Not applicable for mixtures

12.4 Mobility in soil:

Product: Not applicable for mixtures

Product name: RENOCLEAN GMO 2203

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.

13 Disposal considerations

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.

14 TRANSPORT INFORMATION

DOT

14.1 UN Number: NA 1993
 14.2 Proper Shipping Name: Combustible liquid, n.o.s.(Isopropyl alcohol, Isopropyl alcohol, Ethyl alcohol)
 14.3 Transport Hazard Class(es): CBL
 14.4 Subsidiary risk label: –
 14.5 Packing Group: III
 14.6 Label(s): NONE
 14.7 Marine Pollutant: –

IMDG - International Maritime Dangerous Goods Code

Not regulated.

IATA

Not regulated.

15 REGULATORY INFORMATION

US Federal Regulations

US State Regulations

Inventory Status

DSL	On or in compliance with the inventory
NDSL	Not in compliance with the inventory.
TSCA	On or in compliance with the inventory

16 OTHER INFORMATION

Revision Information: Vertical lines in the margin indicate an amendment.

Product name: RENOCLEAN GMO 2203

Wording of the H-statements in section 2 and 3

H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Revision Date: 06.01.2022

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.