

# SAFETY DATA SHEET

acc.to ISO/DIS 11014 for USA

## 1 PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifier

**Product name:** RENOCLEAN GSM 6208

**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:** Solvent-based 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  
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708-333-8900

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800-255-3924

## 2 HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Physical Hazards

Flammable aerosol

Category 1

#### Health Hazards

Aspiration Hazard

Category 1

**Product name:** RENOCLEAN GSM 6208

#### Hazard summary

**Physical Hazards:** No data available.

#### Health Hazards

**Skin Contact:** At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

**Ingestion:** If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

## 2.2 Label Elements



**Signal Words:** Danger

**Hazard Statement(s):** H222: Extremely flammable aerosol.  
H229: Pressurized container: May burst if heated.  
H304: May be fatal if swallowed and enters airways.

#### Precautionary Statements

**Prevention:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211: Do not spray on an open flame or other ignition source.  
P251: Do not pierce or burn, even after use.

**Response:** P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P331: Do NOT induce vomiting.

**Storage:** P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.  
P405: Store locked up.

**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:** 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.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

### 3.2 Mixtures

**Product name:** RENOCLEAN GSM 6208

**General information:** Mixture of components with propellant in aerosol can.

| Chemical name                   | Identifier | Concentration * | Notes |
|---------------------------------|------------|-----------------|-------|
| Cyclopentane                    | 287-92-3   | 10.00 - <20.00% |       |
| Hydrocarbons, low viscosity     | 64742-47-8 | 10.00 - <20.00% |       |
| Hydrocarbons, low viscosity     | 64742-48-9 | 10.00 - <20.00% |       |
| Propane                         | 74-98-6    | 10.00 - <20.00% |       |
| Isobutane (<0,1% 1,3-butadiene) | 75-28-5    | 5.00 - <10.00%  |       |
| Hydrocarbons, low viscous       | 68551-17-7 | 5.00 - <10.00%  |       |
| Isopropyl alcohol               | 67-63-0    | 1.00 - <5.00%   |       |

\* 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  |
|---------------------------------|------------|---|
| Cyclopentane                    | 287-92-3   | Flam. Liq. 2;H225, Aquatic Chronic 3;H412, Asp. Tox. 1;H304, STOT SE 3;H336 |
| Hydrocarbons, low viscosity     | 64742-47-8 | Asp. Tox. 1;H304  |
| Hydrocarbons, low viscosity     | 64742-48-9 | Asp. Tox. 1;H304  |
| Propane                         | 74-98-6    | Flam. Gas 1A;H220, Press. Gas Compr. Gas;H280                               |
| Isobutane (<0,1% 1,3-butadiene) | 75-28-5    | Flam. Gas 1A;H220, Press. Gas Compr. Gas;H280                               |
| Hydrocarbons, low viscous       | 68551-17-7 | Asp. Tox. 1;H304, Aquatic Chronic 4;H413                                    |
| Isopropyl alcohol               | 67-63-0    | 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:** Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do NOT induce vomiting.

**4.2 Most important symptoms and effects, both acute and delayed:** If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

**4.3 Indication of any immediate medical attention and special treatment needed** Get medical attention if symptoms occur.

**Product name:** RENOCLEAN GSM 6208

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media:**

CO<sub>2</sub>, 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.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

Keep away from sources of ignition - No smoking.

### 6.2 Environmental Precautions:

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:

Scrape up spillage or absorb with absorbing material. Stop the flow of material, if this is without risk. Dispose of the material collected according to regulations.

### 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:

Provide adequate ventilation. Observe good industrial hygiene practices. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products.

### 7.2 Conditions for safe storage, including any incompatibilities:

Store locked up. Local regulations concerning handling and storage of waterpolluting products have to be followed.

**Product name:** RENOCLEAN GSM 6208

**7.3 Specific end use(s):** Not applicable

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1.Exposure Limits

| Chemical name                   | Type | Exposure Limit Values             | Source  |
|---------------------------------|------|-----------------------------------|---|
| Cyclopentane                    | TWA  | 600 ppm 1,720 mg/m <sup>3</sup>   | US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)                              |
| Cyclopentane                    | TWA  | 600 ppm 1,720 mg/m <sup>3</sup>   | US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)                              |
| Cyclopentane                    | TWA  | 600 ppm                           | US. ACGIH Threshold Limit Values, as amended (02 2012)                                  |
| Cyclopentane                    | TWA  | 600 ppm                           | US. ACGIH Threshold Limit Values, as amended (02 2012)                                  |
| Propane                         | PEL  | 1,000 ppm 1,800 mg/m <sup>3</sup> | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006) |
| Propane                         | TWA  | 1,000 ppm 1,800 mg/m <sup>3</sup> | US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)                              |
| Isobutane (<0,1% 1,3-butadiene) | STEL | 1,000 ppm                         | US. ACGIH Threshold Limit Values, as amended (02 2013)                                  |
| Isopropyl alcohol               | PEL  | 400 ppm 980 mg/m <sup>3</sup>     | 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 <sup>3</sup>     | US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)                              |
| Isopropyl alcohol               | STEL | 500 ppm 1,225 mg/m <sup>3</sup>   | 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)                                  |

### 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 GSM 6208

**Skin protection**

**Hand Protection:**

Material: Nitrile butyl rubber (NBR).  
Min. Breakthrough time:  $\geq 480$  min  
Recommended thickness of the material:  $\geq 0.38$  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 AX/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

|   |   |
|---|---|
| <b>Physical state:</b>                  | Aerosols                                    |
| <b>Form:</b>                            | Aerosols                                    |
| <b>Color:</b>                           | Colorless                                   |
| <b>Odor:</b>                            | Characteristic                              |
| <b>Odor Threshold:</b>                  | Not applicable for mixtures                 |
| <b>pH:</b>                              | substance/mixture is non-soluble (in water) |
| <b>Freezing point:</b>                  | Not applicable for mixtures                 |
| <b>Boiling Point:</b>                   | Value not relevant for classification       |
| <b>Flash Point:</b>                     | $< -60$ °C (DIN 51755)                      |
| <b>Evaporation Rate:</b>                | Not applicable for mixtures                 |
| <b>Flammability (solid, gas):</b>       | Value not relevant for classification       |
| <b>Flammability Limit - Upper (%)—:</b> | Not applicable for mixtures                 |
| <b>Flammability Limit - Lower (%)—:</b> | Not applicable for mixtures                 |
| <b>Vapor pressure:</b>                  | Not applicable for mixtures                 |
| <b>Relative vapor density:</b>          | Not applicable for mixtures                 |
| <b>Density:</b>                         | 0.85 g/cm <sup>3</sup> (20 °C) (DIN 51757)  |
| <b>Solubility(ies)</b>                  |   |
| <b>Solubility in Water:</b>             | partly soluble                              |
| <b>Solubility (other):</b>              | No data available.                          |

**Product name:** RENOCLEAN GSM 6208

|   |   |
|---|---|
| <b>Partition coefficient (n-octanol/water):</b> | Not applicable for mixtures               |
| <b>Autoignition Temperature:</b>                | Value not relevant for classification     |
| <b>Decomposition Temperature:</b>               | Value not relevant for classification     |
| <b>Kinematic viscosity:</b>                     | 1.6 mm <sup>2</sup> /s (20 °C, DIN 51562) |
| <b>Explosive properties:</b>                    | Value not relevant for classification     |
| <b>Oxidizing properties:</b>                    | Value not relevant for classification     |
| <b>9.2 Other information</b>                    | No data available.                        |

## SECTION 10: Stability and reactivity

|   |   |
|---|---|
| <b>10.1 Reactivity:</b>                         | Stable under normal use conditions.   |
| <b>10.2 Chemical Stability:</b>                 | Stable under normal use conditions.   |
| <b>10.3 Possibility of hazardous reactions:</b> | Stable under normal use conditions.   |
| <b>10.4 Conditions to avoid:</b>                | Stable under normal use conditions.   |
| <b>10.5 Incompatible Materials:</b>             | Strong oxidizing substances. Strong acids. Strong bases.  |
| <b>10.6 Hazardous Decomposition Products:</b>   | 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>   | No data available. |
| <b>Ingestion:</b>    | No data available. |
| <b>Skin Contact:</b> | No data available. |
| <b>Eye contact:</b>  | No data available. |

### Acute toxicity

#### Oral

#### Product:

Not classified for acute toxicity based on available data.

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**Product name:** RENOCLEAN GSM 6208

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**Specified substance(s)**

|                             |                                       |
|-----------------------------|---------------------------------------|
| Cyclopentane                | LD 50 (Rat): > 5,000 mg/kg (OECD 423) |
| Hydrocarbons, low viscosity | LD 50 (Rat): > 5,001 mg/kg (OECD 401) |
| Hydrocarbons, low viscosity | LD 50 (Rat): > 10,000 mg/kg           |
| Hydrocarbons, low viscous   | LD 50 (Rat): > 5,000 mg/kg (OECD 401) |
| Isopropyl alcohol           | LD 50 (Rat): 4,570 mg/kg              |

**Dermal**

**Product:**

Not classified for acute toxicity based on available data.

**Specified substance(s)**

|                             |  |
|-----------------------------|--|
| Hydrocarbons, low viscosity | LD 50 (Rabbit): > 5,001 mg/kg (OECD 402) |
| Hydrocarbons, low viscous   | LD 50 (Rabbit): 3,160 mg/kg (OECD 402)   |
| Isopropyl alcohol           | LD 50 (Rabbit): 13,400 mg/kg             |

**Inhalation**

**Product:**

Not classified for acute toxicity based on available data.

**Specified substance(s)**

|                             |  |
|-----------------------------|--|
| Cyclopentane                | LC 50 (Rat, 4 h): > 25.3 mg/l (OECD 403) |
| Hydrocarbons, low viscosity | LC 50 (Rat, 4 h): > 5 mg/l               |
| 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.



**Product name:** RENOCLEAN GSM 6208

**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

**OSHAS: 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.

**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:** May be fatal if swallowed and enters airways.

## 12 ECOLOGICAL INFORMATION

### 12.1 Toxicity

**Acute toxicity**

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

**Fish**

**Specified substance(s)**

Cyclopentane LC 50 (Fish, 96 h): 29.3 mg/l

Hydrocarbons, low viscosity LC 50 (Fish, 96 h): > 1,000 mg/l

Hydrocarbons, low viscosity LC 50 (Fish, 96 h): > 101 mg/l

Propane LC 50 (Fish, 96 h): > 1,000 mg/l

Isobutane (<0,1% 1,3-butadiene) LC 50 (Fish, 96 h): 28 mg/l

Hydrocarbons, low viscous LC 50 (Fish, 96 h): > 1,000 mg/l (OECD 203)

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

#### **Aquatic Invertebrates**

##### **Specified substance(s)**

Cyclopentane EC 50 (Water Flea, 48 h): 51.1 mg/l

Hydrocarbons, low viscosity EC 50 (Water Flea, 48 h): > 1,000 mg/l

Isobutane (<0,1% 1,3-butadiene) EC 50 (Water Flea, 48 h): 16.3 mg/l

Hydrocarbons, low viscous EC 50 (Water Flea, 48 h): > 1,000 mg/l (OECD 202)

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

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

#### **Toxicity to Aquatic Plants**

##### **Specified substance(s)**

Cyclopentane LC 50 (Alga, 72 h): 21.58 mg/l

Hydrocarbons, low viscosity EC 50 (Alga, 72 h): > 1,001 mg/l

Isobutane (<0,1% 1,3-butadiene) EC 50 (Alga, 72 h): 8.6 mg/l

Hydrocarbons, low viscous EC 50 (Alga, 72 h): > 1,000 mg/l (OECD 201)

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

## **12.2 Persistence and Degradability**

#### **Biodegradation**

**Product:** Not applicable for mixtures

##### **Specified substance(s)**

Cyclopentane Not easily biodegradable

Hydrocarbons, low viscosity 31 % (28 d, OECD 301F) Not readily degradable.

## **12.3 Bioaccumulative potential**

**Product:** Not applicable for mixtures

## **12.4 Mobility in soil:**

**Product:** Not applicable for mixtures

## **12.5 Results of PBT and vPvB assessment:**

The product does not contain any substances fulfilling the PBT/vPvB criteria.

**Product name:** RENOCLEAN GSM 6208

**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:** Discharge, treatment, or disposal may be subject to national, state, or local laws.

## 14 TRANSPORT INFORMATION

### DOT

14.1 UN Number: UN 1950  
 14.2 Proper Shipping Name: Aerosols, flammable, n.o.s.  
 14.3 Transport Hazard Class(es): 2.1  
 14.4 Subsidiary risk label: –  
 14.5 Packing Group: –  
 14.6 Label(s): 2.1  
 14.7 Marine Pollutant: –

### IMDG - International Maritime Dangerous Goods Code

14.1 UN Number: UN 1950  
 14.2 UN Proper Shipping Name: AEROSOLS  
 14.3 Transport Hazard Class(es): 2.1  
 14.4 Subsidiary risk label: –  
 14.5 Packing Group: –  
 14.6 Label(s): 2.1  
 14.7 Marine Pollutant: –  
 14.8 EmS No.: F-D; S-U

### IATA

14.1 UN Number: UN 1950  
 14.2 Proper Shipping Name: Aerosols, flammable  
 14.3 Transport Hazard Class(es): 2.1  
 14.4 Subsidiary risk label: –  
 14.5 Packing Group: –  
 14.6 Label(s): 2.1  
 14.7 Marine Pollutant: –

## 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 |

Product name: RENOCLEAN GSM 6208

## 16 OTHER INFORMATION

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

### Wording of the H-statements in section 2 and 3

|      |   |
|------|---|
| H220 | Extremely flammable gas.                                |
| H222 | Extremely flammable aerosol.                            |
| H225 | Highly flammable liquid and vapor.                      |
| H229 | Pressurized container: May burst if heated.             |
| H280 | Contains gas under pressure; may explode if heated.     |
| H304 | May be fatal if swallowed and enters airways.           |
| H319 | Causes serious eye irritation.                          |
| H336 | May cause drowsiness or dizziness.                      |
| H412 | Harmful to aquatic life with long lasting effects.      |
| H413 | May cause long lasting harmful effects to aquatic life. |

**Revision Date:** 17.10.2021

**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.