

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

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

1.1 Product identifier

Product name: RENOCLEAN MS 215 NF UK

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

Identified uses: Alkaline cleaner/ detergent

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier FUCHS LUBRICANTS (UK) PLC.
New Century Street
ST1 5HU Hanley
Telephone: +44 (0) 1782 203700

Contact Person: Product Safety department
E-mail: product.safety@fuchs.com
Telephone: +44 (0) 1782 203700

1.4 Emergency telephone number: UK NHS: Dial 111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to regulation GB-CLP.

Classification according to GB-CLP.

Health Hazards

Skin corrosion	Category 1B	H314: Causes severe skin burns and eye damage.
Serious eye damage	Category 1	H318: Causes serious eye damage.
Skin sensitizer	Category 1	H317: May cause an allergic skin reaction.
Specific Target Organ Toxicity - Single Exposure	Category 3	H335: May cause respiratory irritation.

Hazard summary

Physical Hazards: No data available.

2.2 Label Elements

Product name: RENOCLEAN MS 215 NF UK

Contains: Monoethanol amine
Isothiazolinone derivative



Signal Words: Danger

Hazard Statement(s): H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.

Precautionary Statements

Prevention: P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
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].
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P310: Immediately call a POISON CENTER or doctor/ physician.
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 (strong) alkaline components, tensides and stabilizers. This product is applied only as solution or emulsion in water.

Product name: RENOCLEAN MS 215 NF UK

Chemical name	Identifier	Concentration *	UK-REACH Registration No.	Notes
Monoethanol amine	EINECS: 205-483-3	5,00% - <10,00%		
acid, ionic equilibrium with organic bases	Neutralisation product (*)	1,00% - <5,00%		
prim. alkanolamine, ionic equilibrium with acids	Neutralisation product (*)	1,00% - <5,00%		
Terpene,ethoxylated	EC: 605-745-0	1,00% - <2,50%		
Tolutriazole derivative	EINECS: 265-004-9	0,10% - <1,00%		
Isothiazolinone derivative	EINECS: 220-120-9	0,10% - <1,00%		
Pyrrithione, sodium salt	EINECS: 223-296-5	0,001% - <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.

(*) Neutralisation product: Equilibrium of Ionic Pairs in aqueous solution according to GB-REACH Annex V, 4.

Classification

Chemical name	Identifier	Classification
Monoethanol amine	EINECS: 205-483-3	GBCLP: Skin Corr. 1B;H314, Eye Dam. 1;H318, STOT SE 3;H335, Acute Tox. 4;H302, Acute Tox. 4;H312, Acute Tox. 4;H332, Aquatic Chronic 3;H412
acid, ionic equilibrium with organic bases	Neutralisation product (*)	GBCLP: Acute Tox. 4;H302, Eye Irrit. 2;H319, Skin Irrit. 2;H315
prim. alkanolamine, ionic equilibrium with acids	Neutralisation product (*)	GBCLP: Acute Tox. 4;H302, Acute Tox. 4;H312, Acute Tox. 4;H332, Aquatic Chronic 3;H412, Eye Irrit. 2;H319, Skin Irrit. 2;H315
Terpene,ethoxylated	EC: 605-745-0	GBCLP: , Aquatic Chronic 2;H411, Eye Irrit. 2;H319
Tolutriazole derivative	EINECS: 265-004-9	GBCLP: Acute Tox. 4;H302, Skin Corr. 1B;H314, Aquatic Chronic 2;H411, Eye Dam. 1;H318, Repr. 2;H361d
Isothiazolinone derivative	EINECS: 220-120-9	GBCLP: Eye Dam. 1;H318, Skin Irrit. 2;H315, Acute Tox. 4;H302, Skin Sens. 1;H317, Aquatic Acute 1;H400, Acute Tox. 2;H330, Aquatic Chronic 2;H411; M-Factor (aquatic acute): 1; M-Factor (aquatic chronic): 1
Pyrrithione, sodium salt	EINECS: 223-296-5	GBCLP: Acute Tox. 4;H302, Acute Tox. 4;H312, Acute Tox. 4;H332, Skin Irrit. 2;H315, Eye Irrit. 2;H319, Aquatic Acute 1;H400, Aquatic Chronic 1;H410; M-Factor (aquatic acute): 100; M-Factor (aquatic chronic): 1

GB-CLP

specific concentration limit

Chemical name	Identifier	specific concentration limit	Hazard class	Hazard Category	Hazard statements
Monoethanol amine	EINECS: 205-483-3	>= 5 %	Specific target organ toxicity - single exposure	3	H335
Isothiazolinone derivative	EINECS: 220-120-9	>= 0,05 %	Skin sensitizer	1	H317

For the wording of the listed hazard statements refer to section 16.

Product name: RENOCLEAN MS 215 NF UK

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.
- 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:** Destroy or thoroughly clean contaminated shoes. Get medical attention. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention. Immediate medical treatment necessary. Failure to treat burns can prevent wounds from healing.
- Ingestion:** Rinse mouth. Never give liquid to an unconscious person. Do not induce vomiting without advice from poison control center. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed: Suspected to cause hypersensitivity and allergy. 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". Symptoms may be delayed.

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.

Product name: RENOCLEAN MS 215 NF UK

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:** Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Prevent formation of aerosols. 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. Provide alkali-resistant floor. Do not use light alloy containers.
- 7.3 Specific end use(s):** Not applicable
- Storage Class:** 8 B, Non-combustible corrosive substances

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	Type	Exposure Limit Values		Source
Monoethanol amine	TWA	1 ppm	2,5 mg/m ³	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Monoethanol amine	STEL	3 ppm	7,6 mg/m ³	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)

8.2 Exposure controls

Product name: RENOCLEAN MS 215 NF UK

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. Wear eye protection/face protection. Avoid contact with skin and eyes. Wear eye protection/face protection. Avoid contact with skin and eyes.

Skin protection

Hand Protection:

Material: Nitrile butyl rubber (NBR).
Min. Breakthrough time: ≥ 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:

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:	Pale yellow

Product name: RENOCLEAN MS 215 NF UK

Odor:	Characteristic
pH:	11,0 (100 %)
Freezing point:	not determined
Boiling Point:	100 °C
Flash Point:	Not applicable
Evaporation Rate:	Not applicable for mixtures
Flammability (solid, gas):	not determined
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:	1,02 g/cm ³ (15 °C)
Solubility(ies)	
Solubility in Water:	Soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable for mixtures
Autoignition Temperature:	not determined
Decomposition Temperature:	not determined
Flow time	Value not relevant for classification
Explosive properties:	Value not relevant for classification
Oxidizing properties:	Value not relevant for classification
Particle characteristics:	Not applicable
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.

Product name: RENOCLEAN MS 215 NF UK

Skin Contact: Causes severe skin burns. May cause an allergic skin reaction.

Eye contact: Causes serious eye damage.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:	ATEmix: 8.444 mg/kg
Specified substance(s)	
Monoethanol amine	LD 50 (Rat): 1.515 mg/kg (OECD 401)
acid, ionic equilibrium with organic bases	LD 50 (Rat): 1.100 mg/kg
prim. alkanolamine, ionic equilibrium with acids	LD 50 (Rat): 1.515 mg/kg (OECD 401)
Tolutriazole derivative	LD 50 (Rat): 735 mg/kg (OECD 401)
Isothiazolinone derivative	LD 50 (Rat): 670 mg/kg
Pyrrithione, sodium salt	LD 50 (Rat): 1.208 mg/kg

Dermal

Product:	ATEmix: 9.650 mg/kg
Specified substance(s)	
Monoethanol amine	LD 50 (Rabbit): 2.504 mg/kg (OECD 402)
prim. alkanolamine, ionic equilibrium with acids	LD 50 (Rabbit): 2.504 mg/kg (OECD 402)
Pyrrithione, sodium salt	LD 50 (Rabbit, Female, Male): 1.800 mg/kg

Inhalation

Product:	ATEmix: 96,5 mg/l Vapour Vapour ATEmix: 27,7 mg/l Dust and mist Dust and mist
Specified substance(s)	
Monoethanol amine	LC 50 (Rat, 4 h): > 1,487 mg/l
Isothiazolinone derivative	LC 50 (Rat, 4 h): 0,11 mg/l
Pyrrithione, sodium salt	LC 50 (Rat, 4 h): 1,08 mg/l Dust and mist

Product name: RENOCLEAN MS 215 NF UK

Skin Corrosion/Irritation:

Product: Based on available data, the classification criteria are met.
Specified substance(s)
 Monoethanol amine Corrosive.
 Pyrithione, sodium salt OECD 404 (Rabbit, 4 h):
 Irritating.

Serious Eye Damage/Eye Irritation:

Product: Based on available data, the classification criteria are met.
Specified substance(s)
 Monoethanol amine Corrosive to skin and eyes.

Respiratory or Skin Sensitization:

Product: Skin sensitizer: Based on available data, the classification criteria are met.
 Respiratory sensitizer: Based on available data, the classification criteria are not met.
Specified substance(s)
 Monoethanol amine , OECD 406-1 (Guinea Pig)
 Not a skin sensitizer.
 Pyrithione, sodium salt No sensitizing effect (guinea pig); OECD 406

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.

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 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.

Other adverse effects:

No data available.

Product name: RENOCLEAN MS 215 NF UK

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

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

Fish

Specified substance(s)

Monoethanol amine	LC 50 (Fish, 96 h): 125 mg/l
acid, ionic equilibrium with organic bases	LC 50 (Fish, 96 h): 122 mg/l
prim. alkanolamine, ionic equilibrium with acids	LC 50 (Fish, 96 h): 125 mg/l
Tolutriazole derivative	LC 50 (Fish, 96 h): 25 mg/l
Isothiazolinone derivative	LC 50 (Fish, 96 h): 2,15 mg/l (OECD 203)
Pyrrithione, sodium salt	LC 50 (Fish, 96 h): 0,0066 mg/l

Aquatic Invertebrates

Specified substance(s)

Monoethanol amine	EC 50 (Water Flea, 48 h): 65 mg/l
acid, ionic equilibrium with organic bases	EC 50 (Water Flea, 48 h): 68 mg/l
prim. alkanolamine, ionic equilibrium with acids	EC 50 (Water Flea, 48 h): 65 mg/l
Terpene,ethoxylated	LC 50 (Water Flea, 96 h): 1,7 mg/l
Isothiazolinone derivative	EC 50 (Water Flea, 48 h): 2,9 mg/l (OECD 202)
Pyrrithione, sodium salt	EC 50 (Water Flea, 48 h): 0,022 mg/l

Chronic Toxicity

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

Fish

Specified substance(s)

Monoethanol amine	NOEC (Fish, 30 d): 1,2 mg/l
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Aquatic Invertebrates

Specified substance(s)

Monoethanol amine	NOEC (Water Flea, 21 d): 0,85 mg/l (OECD 211)
Isothiazolinone derivative	NOEC (Water Flea, 21 d): 1,2 mg/l (OECD 211)

Product name: RENOCLEAN MS 215 NF UK

Toxicity to Aquatic Plants
Specified substance(s)

Monoethanol amine	EC 50 (Alga, 72 h): 22 mg/l
acid, ionic equilibrium with organic bases	EC 50 (Alga, 72 h): 81 mg/l
prim. alkanolamine, ionic equilibrium with acids	EC 50 (Alga, 72 h): 22 mg/l
Tolutriazole derivative	EC 50 (Alga, 72 h): 26,2 mg/l
Isothiazolinone derivative	EC 50 (Alga, 72 h): 0,11 mg/l (OECD 201)

12.2 Persistence and Degradability

Biodegradation

Product:	Not applicable for mixtures
Specified substance(s)	
Tolutriazole derivative	70 % (28 d) Readily biodegradable
Pyrithione, sodium salt	(OECD 301B) Readily biodegradable

12.3 Bioaccumulative potential

Product:	Not applicable for mixtures
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12.4 Mobility in soil:

Product:	Not applicable for mixtures
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**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.

List of Waste (LoW) Codes

11 01 11*: aqueous rinsing liquids containing hazardous substances

Product name: RENOCLEAN MS 215 NF UK

SECTION 14: Transport information

ADR/RID

14.1 UN number or ID number:	UN 3267
14.2 UN Proper Shipping Name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.(Monoethanol amine)
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 or ID number:	UN 3267
14.2 UN Proper Shipping Name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.(Monoethanol 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 or ID number:	UN 3267
14.2 Proper Shipping Name:	Corrosive liquid, basic, organic, n.o.s.(Monoethanol amine)
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 MARPOL and the IBC Code: Not applicable.

SECTION 15: Regulatory information

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

GB Regulations

The Ozone-Depleting Substances and Fluorinated Greenhouse Gases (Amendment etc.) (EU Exit) Regulations 2019:
none

Product name: RENOCLEAN MS 215 NF UK

The Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020:

none

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

DIRECTIVE Control of Major Accident Hazards Regulations 2015:

The product does not fall into the scope of the Control of Major Accident Hazards Regulations 2015.

SECTION 16: Other information

Revision Information:

Vertical lines in the margin indicate an amendment.

Wording of the H-statements in section 2 and 3

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Other information:

The classification complies with the current GB lists; however, it has been supplemented with expert literature information and information provided by/about our company. The following evaluation methods were used: On the basis of test data; Calculation Method; Bridging Principle "Substantially similar mixtures"; Expert Judgement

Revision Date:

13.01.2023

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.