

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : rhenus FU 800
Revision date : 08.04.2015
Print date : 13.06.2015

Version : 1.0.0

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

1.1 Product identifier

rhenus FU 800

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

Relevant identified uses

Lubricants, greases, release products (cooling grease) .

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Rhenus Lub GmbH & Co KG

Street : Erkelenzer Str. 36

Postal code/city : 41179 Mönchengladbach

Telephone : +49 21 61 58 69 - 0

Telefax : +49 21 61 58 69 93

Information contact : Application technology - technical information:

+49 21 61 58 69 74 (Lubricants, greases, release products). Only available during office hours.

+49 21 61 58 69 77 (cooling grease). Only available during office hours.

QHSE-Information about Material-Safety-Data-Sheet:

+49 21 61 58 69 267 (Safety-Data-Sheet, QHSE [Quality-Health-Safety-Environment]). Only available during office hours.

eMail: sicherheitsdatenblatt@rhenusweb.de

1.4 Emergency telephone number

International (all languages, all informations, all time 24 h / 365 d): GBK Gefahrgut Büro GmbH +49 61 32 84 46 3.

CH: 145. --- S: 112. --- TR: 144.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Category 3 ; Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

Special rules for supplemental label elements for certain mixtures

EUH208 Contains 3-IODO-2-PROPYNYL BUTYL CARBAMATE ; 1,2-BENZISOTHIAZOL-3(2H)-ONE. May produce an allergic reaction.

2.3 Other hazards

None

SECTION 3: Composition / information on ingredients

3.2 Mixtures

Description

Base fluid and additives (coolant concentrate).

Hazardous ingredients

Alcohol ethoxylates (Generic name: Ref. 72243-076636 Germany) ; EC No. : - ; CAS No. : -

Weight fraction : 1 - < 10 %

Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Eye Irrit. 2 ; H319

3-IODO-2-PROPYNYL BUTYL CARBAMATE ; EC No. : 259-627-5 ; CAS No. : 55406-53-6

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Weight fraction : 0,1 - < 1 %
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Acute Tox. 4 ; H332 Skin Sens. 1 ; H317 STOT SE 3 ; H335 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

1H-BENZOTRIAZOLE (1,2,3) ; REACH registration No. : 01-2119979079-20-XXXX ; EC No. : 202-394-1; CAS No. : 95-14-7
Weight fraction : 0 - < 1 %
Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Eye Irrit. 2 ; H319 Aquatic Chronic 2 ; H411

1,2-BENZISOTHIAZOL-3(2H)-ONE ; EC No. : 220-120-9; CAS No. : 2634-33-5
Weight fraction : 0,005 - < 0,05 %
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400

Additional information

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately.

In case of inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

In case of skin contact

Wash immediately with: Water and soap .

After eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Wash with plenty of water. Call a physician immediately.

After ingestion

Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

Respiratory complaints , Headache , Dizziness , Nausea .

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet , Foam , Extinguishing powder , Carbon dioxide (CO₂) , Sand .
Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

Full water jet .

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon dioxide (CO₂) , Nitrogen oxides (NO_x). Sulphur oxides , Carbon monoxide.

5.3 Advice for firefighters

Special protective equipment for firefighters

Use suitable breathing apparatus.

5.4 Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

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6.1 Personal precautions, protective equipment and emergency procedures

Provide fresh air.
Avoid contact with skin, eyes and clothes.
Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up

Special danger of slipping by leaking/spilling product. Take up mechanically. Disposal: see section 13 .

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No hazardous reaction when handled and stored according to provisions. (Health hazards : None) . Avoid contact with skin, eyes and clothes.

Do not breathe vapour/aerosol. Provide fresh air.

Respiratory protection necessary at: Generation/formation of aerosols , insufficient ventilation , insufficient exhaust .

Protective measures

Measures to prevent aerosol and dust generation

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

7.2 Conditions for safe storage, including any incompatibilities

Packaging materials

Unsuitable container/equipment material: Zinc

Requirements for storage rooms and vessels

Dispose according to legislation. Do not allow to enter into surface water or drains.

Hints on joint storage

Possibility of hazardous reactions : Oxidising agent .

Further information on storage conditions

Keep/Store only in original container. Notice the directions for use on the label.

Do not store at temperatures below : 0 °C .

Recommended storage temperature : 5 °C - 40 °C .

Protect against : Protect against direct sunlight. Keep away from heat.

Storage stability : 6 months (5 °C - 40 °C) .

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

None

8.2 Exposure controls

Appropriate engineering controls

See protective measures under point 7 and 8.

Personal protection equipment

General health and safety measures No special measures are necessary.

Eye/face protection

Additional eye protection measures : Wear eye/face protection.

Skin protection

Hand protection

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Tested protective gloves must be worn Breakthrough time (maximum wearing time) : 4 hours (NBR (Nitrile rubber) , Thickness of the glove material : 0,4 mm) . See information supplied by the manufacturer.

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

General health and safety measures

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuffs. Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

liquid

Odour

characteristic

Safety relevant basis data

Flash point :	>	100	°C	
Density :	(20 °C)	0,98	g/cm ³	DIN 51757
PH value :	(20 °C / 5 Wt %)	9,3		

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Stable under recommended storage and handling conditions (See section 7).

10.5 Incompatible materials

Oxidising agent, strong.

10.6 Hazardous decomposition products

Does not decompose when used for intended uses. Thermal decomposition can lead to the escape of irritating gases and vapours. Hazardous decomposition products : Carbon monoxide. Carbon dioxide (CO₂). aldehydes. Ketone , Sulphur oxides , Nitrogen oxides (NO_x).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Irritant and corrosive effects

Repeated exposure may cause skin dryness or cracking. After eye contact : Irritation to eyes .

Primary irritation to the skin

Practical experience/human evidence

No hazardous reaction when handled and stored according to provisions. (Health hazards : None known.)

Sensitisation

No information available.

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SECTION 12: Ecological information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Further ecological information

None

SECTION 13: Disposal considerations

Do not allow to enter into surface water or drains.

13.1 Waste treatment methods

Product/Packaging disposal

Waste treatment options

Appropriate disposal / Product

ASN 12 01 09: Machining emulsions and solutions free of halogens.

Appropriate disposal / Package

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Completely emptied packages can be recycled. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

Other disposal recommendations

Dispose according to legislation. Do not allow to enter into surface water or drains.

SECTION 14: Transport information

14.1 UN number

No dangerous goods in sense of this transport regulation.

14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

14.4 Packing group

No dangerous goods in sense of this transport regulation.

14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

14.6 Special precautions for user

None

14.8 Additional information

No dangerous goods in sense of these transport regulations.

SECTION 15: Regulatory information

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

EU legislation

REACH Regulation – the European Parliament and Council Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

CLP Regulation – the European Parliament and Council Regulation (EC) No 1272/2008 concerning reclassification, labelling and packaging of substances and mixtures

Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP] .

15.2 Chemical Safety Assessment

No information available.

SECTION 16: Other information

For further information refer to our technical data sheet.

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

None

16.3 Key literature references and sources for data

None

16.4 Relevant H- and EUH-phrases (Number and full text)

H302	Harmful if swallowed.
H302+H332	Harmful if swallowed or if inhaled.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
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.

16.5 Training advice

None

16.6 Additional information

Please refer to our internet website for more information: www.rhenuslub.com

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.