



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

1.1 Product identifier

Trade name: Neoval Rubin G8

UFI: 1SF0-E0QQ-M002-M5RC

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

General use: Lubricating agent, Corrosion protection agent

1.3 Details of the supplier of the safety data sheet

Company name: EUROTECH Maier Ernst GmbH

Street/POB-No.: Herrschaftswiesen 5

Postal Code, city: AT-6842 Koblach

WWW: www.eurotech.atE-mail: office@eurotech.at

Telephone: +43 (0)5523 53852

Telefax: +43 (0)5523 53852 4

Department responsible for information:

Telephone: +43 (0)5523 53852, Email: office@eurotech.at

1.4 Emergency telephone number

GIZ-Nord, Göttingen

Telephone: +49 551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Skin Sens. 1; H317 May cause an allergic skin reaction.

Lact.; H362 May cause harm to breast-fed children.

Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (CLP)



Signal word:

Warning

Hazard statements:

H317

May cause an allergic skin reaction.

H362

May cause harm to breast-fed children.

H411

Toxic to aquatic life with long lasting effects.



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) No 2020/878

Neoval Rubin G8

Material number 820-2

 Revision date: 25/1/2023
 Version: 21.3
 Replaces version: 21.2
 Language: en-IE
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Page: 2 of 10

Precautionary statements:	P101	If medical advice is needed, have product container or label at hand.
	P102	Keep out of reach of children.
	P201	Obtain special instructions before use.
	P261	Avoid breathing vapours/spray.
	P263	Avoid contact during pregnancy and while nursing.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection.
	P308+P313	IF exposed or concerned: Get medical advice/attention.
	P362+P364	Take off contaminated clothing and wash it before reuse.
	P391	Collect spillage.
	P501	Dispose of contents/container to hazardous or special waste collection point.

Special labelling

Text for labelling: Contains Alkanes, C14-17, chloro and 1,2-Dichlorobenzene.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

CAS No.	Designation	PBT/vPvB	ED Human	ED Environment
85535-85-9	Alkanes, C14-17, chloro (SVHC)	PBT, vPvB		

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Mixture of the substances listed below with non-hazardous additions:

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119451167-40-xxxx EC No. 202-425-9 CAS 95-50-1	1,2-Dichlorobenzene Acute Tox. 4; H302. Skin Irrit. 2; H315. Eye Irrit. 2; H319. Skin Sens. 1B; H317. STOT SE 3; H335. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. M-factors: Aquatic Acute 1: M = 1. Aquatic Chronic 1: M = 1.	2.5 - 7.5 %
REACH 01-2119519269-33-xxxx EC No. 287-477-0 CAS 85535-85-9	Alkanes, C14-17, chloro (SVHC) Lact.; H362. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. (EUH066).	2.5 - 3 %

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:	First aider: Pay attention to self-protection! Obtain special instructions before use. Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.
In case of inhalation:	Provide fresh air. Seek medical aid in case of troubles.
Following skin contact:	Take off contaminated clothing and wash it before reuse. Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.



After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing: Never give anything by mouth to an unconscious person. Rinse mouth. Do not induce vomiting. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing material as appropriate for the surrounding area.

Extinguishing media which must not be used for safety reasons:

Full water jet

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Chlorine compounds, hydrogen chloride, phosgene, carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid exposure.

Avoid contact with skin, eyes, and clothing. Take off contaminated clothing and wash it before reuse.

Provide adequate ventilation.

Do not breathe vapour/aerosol.

Wear appropriate protective equipment. Keep unprotected people away.

6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

If necessary notify appropriate authorities.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance. Thoroughly clean surrounding area.

6.4 Reference to other sections

Refer additionally to section 8 and 13.



SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Avoid exposure - obtain special instructions before use.
Provide adequate ventilation, and local exhaust as needed.
Avoid contact with skin, eyes, and clothing. Take off contaminated clothing and wash it before reuse.
Do not breathe vapour/aerosol.
Wear appropriate protective equipment.
Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers: Keep container tightly closed.
Keep only in the original container. Keep away from heat sources, sparks and open flames.
Protect from frost and exposure to sun.

Hints on joint storage: Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
95-50-1	1,2-Dichlorobenzene	Europe: IOELV: STEL	306 mg/m ³ ; 50 ppm (may be absorbed through the skin)
		Europe: IOELV: TWA	122 mg/m ³ ; 20 ppm (may be absorbed through the skin)
		Ireland: 15 minutes	306 mg/m ³ ; 50 ppm (may be absorbed through the skin)
		Ireland: 8 hours	122 mg/m ³ ; 20 ppm (may be absorbed through the skin)

DNEL/DMEL: Information about Alkanes, C14-17, chloro:
DNEL long-term, consumers, oral, systemic: 0.58 mg/kg body weight/day
DNEL long-term, workers, dermal, systemic: 47.9 mg/kg body weight/day
DNEL long-term, consumers, dermal, systemic: 28.75 mg/kg body weight/day
DNEL long-term, workers, inhalative, systemic: 6.7 mg/m³
DNEL long-term, consumers, inhalative, systemic: 2 mg/m³

PNEC: Information about Alkanes, C14-17, chloro:
PNEC water (freshwater): 0.001 mg/L
PNEC water (marine water): 0.0002 µg/L
PNEC water (intermittent release): 80 µg/L
PNEC sewage treatment plant: 0.999 mg/L
PNEC sediment (freshwater): 13 mg/kg dw
PNEC sediment (marine water): 2.6 mg/kg dw
PNEC soil: 11.9 mg/kg dwt
PNEC oral (predators): 10 mg/kg food

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

**Personal protection equipment****Occupational exposure controls**

Respiratory protection:	Respiratory protection must be worn whenever the WEL levels have been exceeded. Use combination filter type A2-P2 / ABEK according to EN 14387. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.
Hand protection:	Protective gloves according to EN 374. Glove material: Fluororubber (Viton), Nitrile rubber Layer thickness: >0.4 mm Breakthrough time: > 60 min Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	Tightly sealed goggles according to EN 166.
Body protection:	Wear suitable protective clothing.
General protection and hygiene measures:	Avoid exposure - obtain special instructions before use. When using do not eat, drink or smoke. Wash hands before breaks and after work. Use a water-soluble skin protection product. Avoid contact with skin, eyes, and clothing. Take off contaminated clothing and wash it before reuse. Avoid contact during pregnancy/while nursing.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Physical state at 20 °C and 101.3 kPa	liquid
Colour:	red
Odour:	characteristic
Odour threshold:	not determined
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Flammability:	No data available
Upper/lower flammability or explosive limits:	LEL (Lower Explosion Limit): 0.00 Vol-% UEL (Upper Explosive Limit): 0.00 Vol-%
Flash point/flash point range:	170 °C
Decomposition temperature:	No data available
pH:	not determined
Viscosity, kinematic:	at 20 °C: 100 mm ² /s (DIN 51550/51562) at 40 °C: 39.6 mm ² /s (DIN 51562-1)
Water solubility:	immiscible
Partition coefficient: n-octanol/water:	4.7 - 8.3 log K(o/w) (Alkanes, C14-17, chloro) Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
Vapour pressure:	at 20 °C: ≤ 3 hPa
Density:	at 20 °C: 0.9 g/mL (ASTM D 4052)
Vapour density:	No data available
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	Product is not explosive.
Oxidizing characteristics:	No data available



Auto-ignition temperature: not self-igniting
Solid content: 0 %
Evaporation rate: No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to 10.3

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.

10.5 Incompatible materials

no data available

10.6 Hazardous decomposition products

Chlorine compounds, hydrogen chloride, phosgene, carbon monoxide and carbon dioxide (CO₂).

Thermal decomposition: No data available

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.

ATEmix (calculated): ATE > 2000 mg/kg.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Skin Sens. 1; H317 = May cause an allergic skin reaction.

Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.

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

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

Effects on or via lactation: Lact.; H362 = May cause harm to breast-fed children.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.

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



11.2 Information on other hazards

Endocrine disrupting properties: No data available

Other information: Information about Alkanes, C14-17, chloro
LD50 Rat, oral: 4000 mg/kg
LD50 Rabbit, dermal: 10 ml/kg
LC50 Rat, inhalative: 48.17 mg/L/h
Information about 1,2-Dichlorobenzene
LD50 Rat, oral: > 2000 mg/kg

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Toxic to aquatic life with long lasting effects.
Information about 1,2-Dichlorobenzene:
Fish toxicity:
LC50 Danio rerio (zebrafish): 5.2 mg/L/ 96h. (OECD 203)
Daphnia toxicity:
EC50 Daphnia: 0.66 mg/L/48 h.
EC50 Daphnia: 0.55 mg/L/14 d.
Algae toxicity:
EC50 Pseudokirchneriella subcapitata (green algae): 2.2 mg/L/96h
Information about Alkanes, C14-17, chloro:
Fish toxicity:
NOEC Alburnus alburnus (alburnum): 125 µg/L/ 14d (OECD 204)
Daphnia toxicity:
EC50 Daphnia: 0.0059 mg/L/48 h (OECD 202).
EC50 Daphnia: 0.025 mg/L/21 d (OECD 202).
NOEC Daphnia: 0.010 mg/L (OECD 202).
Algae toxicity:
EC50 Pseudokirchneriella subcapitata (green algae): > 3.2 mg/L/96h (OECD 201)
NOEC Pseudokirchneriella subcapitata (green algae): 0.1 mg/L/96h (OECD 201)

12.2 Persistence and degradability

Further details: No data available

12.3 Bioaccumulative potential

Bioconcentration factor (BCF): Information about Alkanes, C14-17, chloro:
Biodegradation: aerobic 64 %/ 28d (OECD 301 D)

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Waste key number: 12 01 06* = Mineral-based machining oils containing halogens (except emulsions and solutions).

* = Evidence for disposal must be provided.

Recommendation: Incinerate as hazardous waste according to applicable local, state, and federal regulations. Do not dispose of with household waste. Discharge into the environment must be avoided.

Package

Waste key number: 15 01 02 = Plastic packaging.

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**14.1 UN number or ID number**

ADR/RID, IMDG, IATA-DGR: UN 3082

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(1,2-Dichlorobenzene, Alkanes, C14-17, chloro)

14.3 Transport hazard class(es)

ADR/RID: Class 9, Code: M6

IMDG: Class 9, Subrisk -

IATA-DGR: Class 9

14.4 Packing group

ADR/RID: III

14.5 Environmental hazards

Dangerous for the environment: Substance/mixture is environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant: yes

14.6 Special precautions for user**Land transport (ADR/RID)**

Warning board: ADR/RID: Kemmler-number 90, UN number UN 3082

Hazard label: 9

Special Provisions: 274 335 375 601

Limited quantities: 5 L

EQ: E1

Package - Instructions: P001 IBC03 LP01 R001

Package - Special Provisions: PP1

Special provisions for packing together: MP19

Portable tanks - Instructions: T4

Portable tanks - Special Provisions: TP1 TP29

Tank coding: LGBV

Tunnel restriction code: -





SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) No 2020/878

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Page: 9 of 10

Sea transport (IMDG)

EmS: F-A, S-F
Special Provisions: 274 335 969
Limited quantities: 5 L
Excepted quantities: E1
Package - Instructions: P001, LP01
Package - Provisions: PP1
IBC - Instructions: IBC03
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: T4
Tank instructions - Provisions: TP2, TP29
Stowage and handling: Category A.
Properties and observations: -
Segregation group: none

Air transport (IATA)

Hazard label: Miscellaneous & Environmentally hazardous
Excepted Quantity Code: E1
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y964 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft: Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Cargo Aircraft only: Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Special Provisions: A97 A158 A197 A215
Emergency Response Guide-Code (ERG): 9L

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

National regulations - EC member states

Volatile organic compounds (VOC):

0.06 % by weight

Labelling of packaging with <= 125mL content



Signal word:

Warning

Hazard statements: H317 May cause an allergic skin reaction.
H362 May cause harm to breast-fed children.
Precautionary statements: P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P261 Avoid breathing vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection.
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/container to hazardous or special waste collection point.

Further regulations, limitations and legal requirements:

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]
Environmental hazards: Code E2, Quantity threshold 200 000 kg / 500 000 kg
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: E2.
Use restriction according to REACH annex XVII, no.: 3



15.2 Chemical Safety Assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

Wording of the H-phrases under paragraph 2 and 3:

H302 = Harmful if swallowed.

H315 = Causes skin irritation.

H317 = May cause an allergic skin reaction.

H319 = Causes serious eye irritation.

H335 = May cause respiratory irritation.

H362 = May cause harm to breast-fed children.

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.

EUH066 = Repeated exposure may cause skin dryness or cracking.

Reason of change: General revision

Date of first version: 10/7/2001

Department issuing data sheet: see section 1: Department responsible for information

Abbreviations and acronyms:

- Acute Tox.: Acute toxicity
- ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- Aquatic Acute: Hazardous to the aquatic environment - acute
- Aquatic Chronic: Hazardous to the aquatic environment - chronic
- AS/NZS: Australian Standards/New Zealand Standards
- CAS: Chemical Abstracts Service
- CFR: Code of Federal Regulations
- CLP: Classification, Labelling and Packaging
- DMEL: Derived minimal effect level
- DNEL: Derived no-effect level
- EC: European Community
- EC50: Effective Concentration 50%
- EEC: European Economic Community
- EN: European Standard
- EQ: Excepted quantities
- EU: European Union
- Eye Irrit.: Eye irritation
- IATA: International Air Transport Association
- IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
- IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
- IMDG Code: International Maritime Dangerous Goods Code
- Lact.: Lactation
- LC50: Median lethal concentration
- LD50: Lethal dose 50%
- LEL: Lower Explosion Limit
- MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
- M-factor: Multiplication factor
- NOEC: No Observed Effect Concentration
- OEL: Occupational Exposure Limit Value
- OSHA: Occupational Safety and Health Administration
- PBT: Persistent, bioaccumulative and toxic
- PNEC: Predicted no-effect concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
- Skin Irrit.: Skin irritation
- Skin Sens.: Skin sensitisation
- STOT SE: Specific target organ toxicity - single exposure
- SVHC: Substance of very high concern
- TLV: Threshold Limit Value
- TRGS: Technical Rules for Hazardous Substances
- UN: United Nations
- vPvB: Very persistent and very bioaccumulative
- WEL: Workplace Exposure Limit

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.