



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

1.1 Product identifier

Trade name: Neoval Rustguard

UFI: X5H0-H0S2-G00Y-6N2D

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

General use: 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.at

E-mail: office@eurotech.at

Telephone: +43 (0)5523 53852

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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)

| | |
|-------------------------|---|
| Flam. Liq. 3; H226 | Flammable liquid and vapour. |
| STOT SE 3; H336 | May cause drowsiness or dizziness. |
| STOT RE 1; H372 | Causes damage to organs through prolonged or repeated exposure. |
| Asp. Tox. 1; H304 | May be fatal if swallowed and enters airways. |
| Aquatic Chronic 2; H411 | Toxic to aquatic life with long lasting effects. |
| (EUH066) | Repeated exposure may cause skin dryness or cracking. |

2.2 Label elements

Labelling (CLP)



Signal word:

Danger

Hazard statements:

| | |
|--------|---|
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
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| EUH066 | Repeated exposure may cause skin dryness or cracking. |



SAFETY DATA SHEET

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

Neoval Rustguard

Material number 826

Revision date: 25/1/2023

Version: 16.2

Replaces version: 16.1

Language: en-IE

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Page: 2 of 10

| | | |
|---------------------------|-----------|--|
| Precautionary statements: | P102 | Keep out of reach of children. |
| | P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| | P261 | Avoid breathing vapours/spray. |
| | P273 | Avoid release to the environment. |
| | P301+P310 | IF SWALLOWED: Call a POISON CENTER if you feel unwell. |
| | P331 | Do NOT induce vomiting. |
| | P391 | Collect spillage. |
| | P403+P235 | Store in a well-ventilated place. Keep cool. |
| | P405 | Store locked up. |
| | P501 | Dispose of contents/container via the national/local hazardous waste disposal. |

Special labelling

Text for labelling: Contains Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%).

2.3 Other hazards

Potentially explosive mixtures may form if adequate ventilation is not provided.
Inhaling can lead to irritations of the respiratory tract and mucous membrane.
Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Mixture of the substance mentioned below with non-hazardous additions:

Hazardous ingredients:

| Identifiers | Designation Classification | Content |
|---|---|------------|
| REACH 01-2119458049-33-xxxx list no. 919-446-0 CAS 64742-82-1 | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) Flam. Liq. 3; H226. STOT SE 3; H336. STOT RE 1; H372. Asp. Tox. 1; H304. Aquatic Chronic 2; H411. (EUH066). | 50 - 100 % |

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

SECTION 4: First aid measures

4.1 Description of first aid measures

| | |
|-------------------------|--|
| General information: | IF exposed or concerned: Get medical advice/attention. First aider: Pay attention to self-protection! |
| In case of inhalation: | Move victim to fresh air; if necessary, provide artificial respiration or oxygen. If victim is at risk of losing consciousness, position and transport on their side. Immediately get medical attention. |
| Following skin contact: | After contact with skin, wash immediately with soap and plenty of water. Take off immediately all contaminated clothing and wash it before reuse. 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. Subsequently seek the immediate attention of an ophthalmologist. |
| After swallowing: | Do not induce vomiting. Immediately get medical attention. Do not give any substances favourable for resorption. When swallowed and vomited immediately, aspiration into the lungs may occur resulting in chemical pneumonia or suffocation. |

**4.2 Most important symptoms and effects, both acute and delayed**

May be fatal if swallowed and enters airways. Causes damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness.

Inhaling can lead to irritations of the respiratory tract and mucous membrane.

Higher doses may lead to a narcotic effect.

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: extinguishing powder, sand, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

full water jet

5.2 Special hazards arising from the substance or mixture

Flammable liquid and vapour.

Vapours can form explosive mixtures with air. Vapours may proceed on the ground over great distances and cause fire and backflashes.

In case of fire may be liberated: carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information:

Heating will lead to pressure increase: Danger of bursting and explosion. Use fine water spray to cool endangered containers.

Move undamaged containers from immediate hazard area if it can be done safely.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Do not allow fire water to penetrate into surface or ground water.

Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Wear appropriate protective equipment. Keep unprotected people away. Keep away from sources of ignition - No smoking. Cordon off downwind area at risk and warn inhabitants. In case of leakage, eliminate all ignition sources. Take off immediately all contaminated clothing and wash it before reuse. Do not breathe gas/vapour/aerosol. Avoid contact with the substance.

6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains. If necessary notify appropriate authorities.

6.3 Methods and material for containment and cleaning up

Dam spills with earth or sand. 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.

Beware of reignition. Thoroughly clean surrounding area. Do not remove residual product with water and detergent.

In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out).



Additional information: Use explosion-proof equipment and non-sparking tools/utensils.
Special danger of slipping by leaking/spilling product.

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: Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin, eyes, and clothing. Wear appropriate protective equipment. Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation. Do not breathe gas/vapour/aerosol. Avoid the formation of aerosol. Take off immediately all contaminated clothing and wash it before reuse. Work place should be equipped with a shower and an eye rinsing apparatus.

Precautions against fire and explosion: Take precautionary measures against static discharges.
Keep away from sources of ignition - No smoking.
Do not heat above flash point.
Use only explosion-protected equipment/instruments. Do not weld.
In partially filled containers explosive mixtures may form.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers: Keep container tightly closed and in a well-ventilated place.
Keep container dry. Keep only in the original container.
Protect from heat and direct sunlight.
Store containers in upright position. Explosion protection required. Protect from: dust. Protect from weather exposure. Store locked up.

Hints on joint storage: Do not store together with combustible or self-igniting materials or any highly flammable solids.
Do not store together with strong oxidizing agents.
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

Additional information: Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment. Explosion protection required.

Personal protection equipment

Occupational exposure controls

Respiratory protection: For short or minimal exposure: respiratory filter; in cases of longer exposure: supplied air respirator.
Use filter type A (= against vapours of organic substances) 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.

Hand protection: Protective gloves according to EN 374.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Flame retardant, antistatic and chemical resistant protective clothing.



General protection and hygiene measures:

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. When using do not eat, drink or smoke. Wash hands before breaks and after work. Avoid contact with skin and eyes. Work place should be equipped with a shower and an eye rinsing apparatus. Do not breathe gas/vapour/aerosol. Use non-sparking tools.

Environmental exposure controls

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

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: | brown |
| Odour: | solvent-like |
| Odour threshold: | No data available |
| Melting point/freezing point: | No data available |
| Initial boiling point and boiling range: | 155 °C (DIN EN ISO 3405) |
| Flammability: | Flammable liquid and vapour. |
| Upper/lower flammability or explosive limits: | No data available |
| Flash point/flash point range: | 50 °C (DIN EN ISO 2592) |
| Auto-ignition temperature: | 0 °C (DIN 51794) |
| Decomposition temperature: | No data available |
| pH: | No data available |
| Viscosity, kinematic: | at 40 °C: $\leq 3 \text{ mm}^2/\text{s}$ (DIN 51562-1) |
| Water solubility: | not/slightly miscible |
| Partition coefficient: n-octanol/water: | No data available |
| Vapour pressure: | at 20 °C: 5 hPa |
| Density: | at 20 °C: 0.79 g/mL (ASTM D 4052) |
| Vapour density: | No data available |
| Particle characteristics: | Not applicable |

9.2 Other information

| | |
|----------------------------|---|
| Explosive properties: | Product is not explosive. Potentially explosive vapour/air mixtures may form. |
| Oxidizing characteristics: | No data available |
| Auto-ignition temperature: | not self-igniting |
| Evaporation rate: | No data available |

SECTION 10: Stability and reactivity**10.1 Reactivity**

Flammable liquid and vapour.
Vapours can form explosive mixtures with air.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Heating will lead to pressure increase: Danger of bursting and explosion.

10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.
Protect from direct sunlight.



10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

No hazardous decomposition products when regulations for storage and handling are observed.

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

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

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: Lack of data.

Specific target organ toxicity (single exposure): STOT SE 3; H336 = May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): STOT RE 1; H372 = Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard: Asp. Tox. 1; H304 = May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Endocrine disrupting properties: No data available

Other information: Information about Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%):
LD50 Rat, oral: > 15000 mg/kg (OECD 401)

Symptoms

After eye contact: The product can cause irritation of the eyes.



SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

Information about Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%):

Acute (short-term) fish toxicity:

LL50 Oncorhynchus mykiss: 10 - 30 mg/L/96h (OECD 203)

Chronic (long-term) fish toxicity:

NOELR Oncorhynchus mykiss: 0.13 mg/L/28d (QSAR)

Acute Daphnia toxicity:

EL50 Daphnia magna (Big water flea): 10 - 22 mg/L/48h (OECD 202)

Chronic daphnia toxicity:

NOELR Daphnia magna (Big water flea): 0.28 mg/L/21d (QSAR)

Algae toxicity:

ELb50 Pseudokirchneriella subcapitata (green algae): 4.1 - 4.6 mg/L/72h (OECD 201)

NOELR Pseudokirchneriella subcapitata (green algae): 0.76 - 0.22 mg/L/72h (OECD 201, based on growth rate)

12.2 Persistence and degradability

Further details:

No data available

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

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. Danger to drinking water when soaking into the soil or waters.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number:

07 06 04* = Wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals.

* = Evidence for disposal must be provided.

Recommendation:

Dispose of waste according to applicable legislation.

Do not dispose of with household waste.

Do not empty into drains.

Package

Waste key number:

15 01 02 = Plastic packaging

Recommendation:

Dispose of waste according to applicable legislation.

Handle empty containers with care. Incineration may cause explosion.

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

ADR/RID, IMDG, IATA-DGR: UN 1300

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: UN 1300, TURPENTINE SUBSTITUTE

14.3 Transport hazard class(es)

ADR/RID: Class 3, Code: F1

IMDG: Class 3, Subrisk -

IATA-DGR: Class 3

14.4 Packing group

ADR/RID: III

14.5 Environmental hazardsDangerous 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 30, UN number UN 1300 |
| Hazard label: | 3 |
| Limited quantities: | 5 L |
| EQ: | E1 |
| Package - Instructions: | P001 IBC03 LP01 R001 |
| Special provisions for packing together: | MP19 |
| Portable tanks - Instructions: | T2 |
| Portable tanks - Special Provisions: | TP1 |
| Tank coding: | LGBF |
| Tunnel restriction code: | D/E |

Sea transport (IMDG)

| | |
|---------------------------------|------------------------|
| EmS: | F-E, S-E |
| Special Provisions: | 223 |
| Limited quantities: | 5 L |
| Excepted quantities: | E1 |
| Package - Instructions: | P001, LP01 |
| Package - Provisions: | - |
| IBC - Instructions: | IBC03 |
| IBC - Provisions: | - |
| Tank instructions - IMO: | - |
| Tank instructions - UN: | T2 |
| Tank instructions - Provisions: | TP1 |
| Stowage and handling: | Category A. |
| Properties and observations: | Immiscible with water. |
| Segregation group: | none |

Air transport (IATA)

| | |
|--|---|
| Hazard label: | Flamm. liquid |
| Excepted Quantity Code: | E1 |
| Passenger and Cargo Aircraft Ltd.Qty.: | Pack.Instr. Y344 - Max. Net Qty/Pkg. 10 L |
| Passenger and Cargo Aircraft: | Pack.Instr. 355 - Max. Net Qty/Pkg. 60 L |
| Cargo Aircraft only: | Pack.Instr. 366 - Max. Net Qty/Pkg. 220 L |
| Special Provisions: | A3 |
| Emergency Response Guide-Code (ERG): | 3L |





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):

90 % by weight = 711 g/L

Labelling of packaging with <= 125mL content



Signal word:

Danger

Hazard statements:

H304

May be fatal if swallowed and enters airways.

H336

May cause drowsiness or dizziness.

H372

Causes damage to organs through prolonged or repeated exposure.

EUH066

Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

P102

Keep out of reach of children.

P261

Avoid breathing vapours/spray.

P301+P310

IF SWALLOWED: Call a POISON CENTER if you feel unwell.

P331

Do NOT induce vomiting.

P405

Store locked up.

P501

Dispose of contents/container via the national/local hazardous waste disposal.

Further regulations, limitations and legal requirements:

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

Physical hazards: Code P5c, Quantity threshold 5 000 000 kg / 50 000 000 kg

Environmental hazards: Code E2, Quantity threshold 200 000 kg / 500 000 kg

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:

H226 = Flammable liquid and vapour.

H304 = May be fatal if swallowed and enters airways.

H336 = May cause drowsiness or dizziness.

H372 = Causes damage to organs through prolonged or repeated exposure.

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:

22/8/1997

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

**SAFETY DATA SHEET**

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

Neoval Rustguard

Material number 826

Revision date: 25/1/2023

Version: 16.2

Replaces version: 16.1

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Page: 10 of 10

Abbreviations and acronyms:

- 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 Chronic: Hazardous to the aquatic environment - chronic
- AS/NZS: Australian Standards/New Zealand Standards
- Asp. Tox.: Aspiration toxicity
- 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
- EEC: European Economic Community
- EN: European Standard
- EQ: Excepted quantities
- EU: European Union
- Flam. Liq.: Flammable liquid
- 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
- LD50: Lethal dose 50%
- MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
- MFSU: Manufacture, formulation, supply and use
- 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
- STOT RE: Specific target organ toxicity - repeated exposure
- STOT SE: Specific target organ toxicity - single exposure
- TRGS: Technical Rules for Hazardous Substances
- UN: United Nations
- vPvB: Very persistent and very bioaccumulative

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.