

SAFETY DATA SHEET

Protega Wood-C

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

1.1. Product identifier

Trade name: Protega Wood-C
Product no.: 1135-00, -25

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

Relevant identified uses of the substance or mixture: Water based fire protective paint
Uses advised against : None known.

1.3. Details of the supplier of the safety data sheet

Company and address: **Protega AB**
Verkstadsgatan 6B
23166 Trelleborg, Sverige
+46 410 56 780
E-mail: info@protega.se, www.protega.se
Revision: 27/02/2023
SDS Version: 1.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).
See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.2. Label elements

Hazard pictogram(s): Not applicable.
Signal word: Not applicable.
Hazard statement(s): Not applicable.
Safety statement(s): General
-
Prevention
-
Response
-
Storage
-
Disposal
-
Hazardous substances: None known.
Additional labelling: EUH208, Contains 1,2-benzisothiazol-3(2H)-one. May produce

VOC: an allergic reaction.
EUH210, Safety data sheet available on request.
VOC content: 38 g/L
MAXIMUM VOC CONTENT (Phase II, category A/i (WB): 140 g/L)

2.3. Other hazards

Additional warnings: This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

| Product/substance | Identifiers | % w/w | Classification | Note |
|---------------------------------|---------------------|-------|---------------------------------------|------|
| Feldspar-group minerals | CAS No.: 68476-25-5 | 3-5% | Eye Irrit. 2, H319 STOT SE 3, H335 | |
| | EC No.: 270-666-7 | | | |
| | UK-REACH: | | | |
| | Index No.: | | | |
| Dipropylene Glycol Methyl Ether | CAS No.: 34590-94-8 | <0.1% | | |
| | EC No.: 252-104-2 | | | |
| | UK-REACH: | | | |
| | Index No.: | | | |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation: Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact: IF ON SKIN: Wash with plenty of water and soap.

| | |
|--------------|--|
| Eye contact: | Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention. Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Seek medical assistance and continue flushing during transport. |
| Ingestion: | If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material. |
| Burns: | Not applicable. |

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

4.3. Indication of any immediate medical attention and special treatment needed

| | |
|------------------------|---|
| Information to medics: | None known. Bring this safety data sheet or the label from this product. |
|------------------------|---|

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Nitrogen oxides (NO_x)
Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Fire fighters should wear appropriate personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Because of the danger of self-ignition, any waste from the product, spray mist and soiled rags etc. are to be kept in a fire-proof place in air-tight containers, alternatively the waste is to be burned.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage material:

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Always store in containers of the same material as the original container.

Storage temperature:

$5^{\circ}\text{C} < T < 35^{\circ}\text{C}$

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Propane-1,2-diol

Long term exposure limit (8 hours) (ppm): 150(total)

Long term exposure limit (8 hours) (mg/m³):
474(total)/10(particulates)

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

Propane-1,2-diol

| Duration: | Route of exposure: | DNEL: |
|--|--------------------|-----------------------|
| Long term – Local effects - Workers | Inhalation | 10 mg/m ³ |
| Long term – Systemic effects - Workers | Inhalation | 168 mg/m ³ |

PNEC

Propane-1,2-diol

| Route of exposure: | Duration of Exposure: | PNEC: |
|------------------------|-----------------------|-----------------|
| Freshwater | | 260 mg/l |
| Freshwater sediment | | 572 mg/kg d.w. |
| Intermittent release | | 183 mg/l |
| Marine water | | 26 mg/l |
| Marine water sediment | | 57.2 mg/kg d.w. |
| Sewage treatment plant | | 2000 mg/l |
| Soil | | 50 mg/kg d.w. |

8.2. Exposure controls

General recommendations:

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

Exposure scenarios:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure limits:

There are no exposure scenarios implemented for this product. Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure:


No specific requirements.

Individual protection measures, such as personal protective equipment


Generally:

Use only UKCA marked protective equipment.


Respiratory Equipment:

| Type | Class | Colour | Standards | |
|------|-------|--------|-----------|---|
| S/SL | P1 | White | EN149 |  |


Skin protection:

| Recommended | Type/Category | Standards | |
|---|---------------|-----------|---|
| Dedicated work clothing should be worn. | - | - |  |

Hand protection:

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards | |
|----------|----------------------|--------------------------|-----------|---|
| Nitrile | - | - | EN374-2 |  |

Eye protection:

| Type | Standards | |
|----------------|-----------|--|
| Safety glasses | EN166 |  |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---------------------------|--|
| Physical state: | Liquid |
| Colour: | Transparent white |
| Odour / Odour threshold: | Mild |
| pH: | 7-9 |
| Density (g/cm³): | 1.24 |
| Kinematic viscosity: | Testing not relevant or not possible due to the nature of the product. |
| Particle characteristics: | Not applicable |

Phase changes

| | |
|--|--|
| Melting point/Freezing point (°C): | Not applicable |
| Softening point/range (waxes and pastes) (°C): | Does not apply to liquids. |
| Boiling point (°C): | 100-631 |
| Vapour pressure: | 2309 Pa (20 °C) |
| Relative vapour density: | Testing not relevant or not possible due to the nature of the product. |
| Decomposition temperature (°C): | Not applicable |

Data on fire and explosion hazards

| | |
|---------------------------------|----------------|
| Flash point (°C): | Not applicable |
| Flammability (°C): | 260 |
| Auto-ignition temperature (°C): | Not applicable |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Lower and upper explosion limit (% v/v): Not applicable

Solubility

Solubility in water: Completely soluble
n-octanol/water coefficient: Not applicable
Solubility in fat (g/L): Not applicable

9.2. Other information

Evaporation rate (n-butylacetate = 100): Not applicable
VOC (g/L): 38
Other physical and chemical parameters: No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

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

Acute toxicity:

| | |
|---------------------|------------------|
| Product/substance: | Propane-1,2-diol |
| Species:: | Rat |
| Route of exposure:: | Oral |
| Test:: | LD50 |
| Result:: | 22000 mg/kg |

| | |
|---------------------|------------------|
| Product/substance: | Propane-1,2-diol |
| Species:: | Rabbit |
| Route of exposure:: | Inhalation |
| Test:: | LC50 |
| Result:: | 317042 mg/L |

| | |
|--------------------|------------------|
| Product/substance: | Propane-1,2-diol |
| Species:: | Rabbit |

| | | |
|---|---|--|
| | Route of exposure:: | Dermal |
| | Test:: | LD50 |
| | Result:: | >2000 mg/kg |
| Skin corrosion/irritation: | Based on available data, the classification criteria are not met. | |
| Serious eye damage/irritation: | Product/substance: | Propane-1,2-diol |
| | Species:: | Rabbit |
| | Duration:: | No data available. |
| | Result:: | No adverse effect observed (Not irritating) |
| Respiratory sensitisation: | Based on available data, the classification criteria are not met. | |
| Skin sensitisation: | Product/substance: | Propane-1,2-diol |
| | Species:: | Rabbit |
| | Result:: | No adverse effect observed (not sensitising) |
| <hr/> | | |
| | Product/substance: | Propane-1,2-diol |
| | Test method:: | OECD 406 |
| | Species:: | Guinea pig |
| | Result:: | No adverse effect observed (not sensitising) |
| Germ cell mutagenicity: | 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. | |
| STOT-single exposure: | Based on available data, the classification criteria are not met. | |
| STOT-repeated exposure: | Product/substance: | Propane-1,2-diol |
| | Species:: | |
| | Route of exposure:: | |
| | Target organ:: | Central nervous system |
| | Duration:: | No data available. |
| | Test:: | |
| | Result:: | Kan orsaka effekt |
| | Conclusion:: | Adverse effect observed |
| Aspiration hazard: | Based on available data, the classification criteria are not met. | |
| 11.2. Information on other hazards | | |
| Long term effects: | None known. | |
| Endocrine disrupting properties: | Not applicable. | |
| Other information: | None known. | |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|--------------------|------------------|
| Product/substance: | Propane-1,2-diol |
| Species:: | Fish |
| Duration:: | 96 hours |
| Test:: | LC50 |
| Result:: | 40613 mg/L |
| Product/substance: | Propane-1,2-diol |

| | | |
|---|---|--------------------|
| | Species:: | Daphnia |
| | Duration:: | 48 hours |
| | Test:: | LC50 |
| | Result:: | 18340 mg/L |
| | Product/substance: | Propane-1,2-diol |
| | Species:: | Bacteria |
| | Duration:: | 24 hours |
| | Test:: | NOEC |
| | Result:: | 20000 mg/L |
| | Product/substance: | Propane-1,2-diol |
| | Species:: | Daphnia |
| | Duration:: | 7 days |
| | Test:: | NOEC |
| | Result:: | 13020 mg/L |
| 12.2. Persistence and degradability | No data available. | |
| 12.3. Bioaccumulative potential | Product/substance: | Propane-1,2-diol |
| | Test method:: | |
| | Potential bioaccumulation:: | No data available. |
| | LogPow:: | -1.07 |
| | BCF:: | 0.09 |
| | Other information:: | |
| 12.4. Mobility in soil | No data available. | |
| 12.5. Results of PBT and vPvB assessment | This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB. | |
| 12.6. Endocrine disrupting properties | Not applicable. | |
| 12.7. Other adverse effects | None known. | |

SECTION 13: Disposal considerations

Waste treatment methods

Product is not covered by regulations on dangerous waste.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

08 01 20 Aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19

Specific labelling

Not applicable.

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information: |
|------|--------------|------------------------------|-----------------------|----------|------------|--------------------|
| ADR | - | - | - | - | - | - |
| IMDG | - | - | - | - | - | - |
| IATA | - | - | - | - | - | - |

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

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

| | |
|---|--|
| Restrictions for application: | Restricted to professional users. |
| Demands for specific education: | No specific requirements. |
| SEVESO - Categories / dangerous substances: | Not applicable. |
| Additional information: | Not applicable. |
| Sources: | 2012 No. 1715 ENVIRONMENTAL PROTECTION: The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law. |

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H319, Causes serious eye irritation.

H335, May cause respiratory irritation.

Abbreviations and acronyms

ADN = European Provisions concerning the International

Carriage of Dangerous Goods by Inland Waterway
 ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
 ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 CAS = Chemical Abstracts Service
 CE = Conformité Européenne
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 CSA = Chemical Safety Assessment
 CSR = Chemical Safety Report
 DMEL = Derived Minimal Effect Level
 DNEL = Derived No Effect Level
 EINECS = European Inventory of Existing Commercial chemical Substances
 ES = Exposure Scenario
 EUH statement = CLP-specific Hazard statement
 EWC = European Waste Catalogue
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IARC = International Agency for Research on Cancer (IARC)
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 OECD = Organisation for Economic Co-operation and Development
 PBT = Persistent, Bioaccumulative and Toxic
 PNEC = Predicted No Effect Concentration
 RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
 RRN = REACH Registration Number
 SCL = A specific concentration limit
 SVHC = Substances of Very High Concern
 STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
 STOT-SE = Specific Target Organ Toxicity - Single Exposure
 TWA = Time weighted average
 UN = United Nations
 UVBC = Unknown or variable composition, complex reaction products or of biological materials
 VOC = Volatile Organic Compound
 vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Lars-Erik

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.
 The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily

correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en