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|  | <b>MATERIAL SAFETY DATA SHEET</b><br>pursuant to Regulation of European Parliament and Council of the European Union (ES) no. 1907/2006 (REACH)<br>amended by Regulation of Commission (EU) no. 2020/878 | Page 1/9                                     |
|   | Product name:  | Issued on: 1.7.2014                          |
|   | <b>Mounting compound<br/>PNEUGEL</b>   | Revision nr: 2<br><br>Revised on: 23.11.2022 |

## 1. PRODUCT NAME AND COMPANY IDENTIFICATION

### 1.1 Identification of the substance or preparation

Commercial name: **Mounting compound PNEUGEL**

### 1.2 Use of the substance or preparation

Tyre mounting and dismounting.

### 1.3 Identification of manufacturer, importer, first distributor or distributor

Manufacturer: Ferdus, s.r.o.  
 Address: J. Fučíka 699  
 768 11 Chropyně  
 Czech Republic  
 Phone/Fax: +420 577 103 566

E-mail of the competent person responsible for the Material Safety Data Sheet: [info@ferdus.cz](mailto:info@ferdus.cz); [www.ferdus.cz](http://www.ferdus.cz)

### 1.4 Emergency phone number

Toxicology Information Centre in Prague  
 Na Bojišti 1, 128 08 Praha 2  
 Czech Republic  
 Phone: +420 224 919 293

## 2. HAZARD IDENTIFICATION

### 2.1 Classification of the substance or mixture

Pursuant to Regulation (EC) No. 1272/2008 of the European Parliament and of the Council (CLP):

The product is not classified as dangerous.

### 2.2 Label elements


Pursuant to Regulation (EC) No. 1272/2008 of the European Parliament and of the Council (CLP):

|   |               |
|---|---------------|
| Signal word:  | Not required. |
| Symbol:   | Not required. |
| Additional information on the label:                            | Not required. |
| Contains<br>(information which must be listed on<br>the label): | Not required. |
| H-phrases:<br>(The hazard statements):                          | Not required. |
| P-phrases<br>(Precautionary statements):                        | Not required. |

### 2.3 Other hazards

The mixture is not classified as PBT or vPvB.

The product is not hazardous to health if the usual regulations for the handling of chemical substances are observed.

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### 3. COMPOSITION OR INGREDIENTS INFORMATION

#### 3.1 Substances

Not filled in.

#### 3.2 Mixtures

Water-based polymer solution.

The product does not contain hazardous substances for health and environment.

### 4. FIRST AID MEASURES / FIRST AID INSTRUCTIONS

#### 4.1 Description of first aid

##### 4.1.1 General instructions

Always seek medical help if symptoms persist or in case of more serious health damage.

##### 4.1.2 When inhaled

Move victim to fresh air. In case of irritation, seek medical attention.

##### 4.1.3 After skin contact

Remove contaminated clothing, wash affected skin with running water and soap.

##### 4.1.4 After eye contact

Immediately flush the eyes with clean water for at least 10 minutes. If the eye irritation persists seek medical attention.

##### 4.1.5 After ingestion

Rinse your mouth thoroughly with water. Drink 2-5 dl of cold water. Do not induce vomiting. In case of persistent problems, see a doctor.

##### 4.1.6 Other information

- a) Immediate medical attention after ingestion.
- b) In the case of inhalation is recommended to move exposed person into the fresh air.
- c) Remove contaminated clothing.
- d) Recommendation protective equipment persons who provide first aid: Choose according to the circumstances of the emergency.

#### 4.2 The most acute and delayed symptoms and effects

Not specified.

#### 4.3 Instruction of immediate medical help and special treatment

Not specified.

### 5. FIRE FIGHTING MEASURES

#### 5.1 Suitable extinguishing media


Water spray, foam, dry chemical, CO<sub>2</sub> (may not be suitable for large fires).

#### 5.2 Unsuitable extinguishing media

High pressure water jet.

#### 5.3 Special hazards

Carbon oxides, nitrogen oxides and hydrochloric acid can be formed during combustion.

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#### 5.4 Instructions for firefighters

Suitable respiratory protection and protective clothing.

#### 5.5 Other information

Not specified.

## 6. SUBSTANCE OR PREPARATION ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protections and emergency procedures

Wear personal protective equipment (see point 8). Forms a slippery film with water.

### 6.2 Environmental precautions

Prevent leakage into ground, surface and waste water sources, soils and public sewerage.

### 6.3 Methods and material for containment and cleaning up

Use a spatula or other tool to transfer to a suitable replacement container. Dispose of in accordance with regulations and ordinances. Do not wash with water, if necessary, use salt water or detergents.

## 7. HANDLING AND STORAGE

### 7.1 Handling instructions

At work is not allowed to drink eat and smoke and it is necessary to maintain personal hygiene. Use personal protective equipment (see sec.8). Ensure good ventilation of the workplace. Follow the rules for working with chemicals. Wash hands with soap and water after work and before eating and treat with reparative cream.

#### 7.1.2 Preventive environmental precautions

Information not available.

#### 7.1.3 Special requirements or rules

Information not available.

### 7.2 Storage

#### 7.2.1 Conditions for safe storage, including incompatible substances and mixtures


Keep containers tightly closed in a cool place. Do not store with food and feed.  
 Incompatible materials: Oxidizing agents.  
 Storage conditions: Usual for chemical products.

#### 7.2.2 Quantitative limits for storage conditions

Information not available.

#### 7.2.3 Specific end use

Information not available.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1 Control parameters

Are not established

### 8.2 Exposure limitation

Keep away from food, drink and feed. Remove clothing contaminated with the product immediately. Follow the safety instructions for working with chemicals. Avoid contact with eyes, skin and mucous membranes.

#### 8.2.1.1 Respiratory protection

Not required

#### 8.2.1.2 Hand protection

Protective gloves - chemical-resistant gloves, also suitable for long-term contact, permeation time > 480 min. (EN 374 - EN 388), e.g. 1.3 mm PVC or 0.75 mm neoprene.

#### 8.2.1.3 Eye protection

Protective glasses (EN 166).

#### 8.2.1.4 Skin protection

Long-sleeved protective clothing (EN 368), protective footwear (EN 345).

### 8.2.2 Environmental exposure controls

Information not available.


## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information about main physical and chemical properties

|   |                                     |
|---|-------------------------------------|
| a) substance state  | water based polymer solution        |
| b) colour   | blue                                |
| c) odour  | characteristic                      |
| d) melting point / freezing point                                 | not available                       |
| e) boiling point or initial boiling point and boiling point range | not available                       |
| f) flammability   | not available                       |
| g) lower and upper explosive or flammable limits                  | not available                       |
| h) flash point  | not available                       |
| i) autoignition temperature                                       | not available                       |
| j) thermal decomposition  | not available                       |
| k) pH   | 6,8 (1% solution in water, at 20°C) |
| l) kinematic viscosity  | not available                       |
| m) solubility   | forms a gel in water                |
| n) partition coefficient n-octanol / water (logarithmic value)    | not available                       |
| o) vapour pressure  | not available                       |
| p) density and / or relative density                              | 1,03 g/cm <sup>3</sup> ; at 20 °C   |
| q) relative vapour density  | not available                       |
| r) particle characteristics (solids)                              | not stated                          |

### 9.2 Other information

|                      |               |
|----------------------|---------------|
| evaporation rate     | not available |
| explosive properties | not available |
| oxidising properties | not available |

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### 9.2.1 Information on physical hazard classes

Not stated

### 9.2.2 Other safety characteristics

Not stated

## 10. INFORMATION ON STABILITY AND REACTIVITY

### 10.1 Reactivity

Data not available.

### 10.2 Chemical stability

The product is stable in normal conditions of use and storage.

### 10.3 Possibility of hazardous reactions

Dangerous reactions with: oxidizing agents.  
 Incompatible substances/materials: strong oxidizing agents.

### 10.4 Conditions to avoid

None when stored and handled properly.

### 10.5 Incompatible materials

Oxidizing agents.

### 10.6 Hazardous decomposition products

The product does not decompose if the conditions for handling the substance or preparation specified in this safety data sheet are observed.

## 11. TOXICOLOGICAL INFORMATION

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

#### a) acute toxicity

|  |                    |
|--|--------------------|
| LD50 oral, rat (mg.kg <sup>-1</sup> ):                                     | > 2000             |
| LD50 dermal, rat or rabbit (mg.kg <sup>-1</sup> ):                         | data not available |
| LC50 inhalation, rat, for aerosols or particulates (mg.dm <sup>-3</sup> ): | data not available |
| LC50 inhalation, rat, for gases and vapours (mg.dm <sup>-3</sup> ):        | data not available |

#### b) skin corrosion / irritation

skin irritation (rabbit): non irritating

#### c) serious eye damage / eye irritation


eye irritation (rabbit): non irritating

#### d) respiratory sensitization / skin sensitization

skin sensitization (maximization test): not sensitizing

#### e) germ cell mutagenicity

Ames test (with and without metabolic activity): not mutagenic.

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**f) carcinogenity**

Information not available.

**g) reproductive toxicity**

Information not available.

**h) toxicity of specific target organ – single exposure**

Information not available.

**i) toxicity of specific target organ – repeated exposure**

Information not available.

**j) aspiration hazards**

Information not available.

**11.2 Information on other hazards**

**11.2.1 Endocrine disrupting properties**

Information not available.

**11.2.2 Additional information**

Information not available.

**12. ECOLOGICAL INFORMATION**

**12.1 Ecotoxicity – acute toxicity for aquatic organisms and other environments**

- LC50, 96 hours, fishes (mg.dm<sup>-3</sup>): information not available
- EC50, 48 hours, daphnia magna (mg.dm<sup>-3</sup>): information not available
- IC50, 72 hours, algae (mg.dm<sup>-3</sup>): information not available

**12.2 Mobility**

Information not available.

**12.3 Persistence and degradability**

Information not available.

**12.4 Bioaccumulative potential**

Information not available.

**12.5 Results of PBT and vPvB**


Information not available.

**12.6 Endocrine disrupting properties**

Information not available.

**12.7 Other adverse effects**

Avoid release to surface water, ground water and waste water and soil.

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## 13. DISPOSAL INSTRUCTIONS

### 13.1 Suitable methods of removal of the substance or mixture.

According to the waste catalog, it is not considered as hazardous waste.

### 13.2 Contaminated packaging disposal methods

The marked waste should be handed over to a specialized company authorized for this activity, including the waste identification sheet. Packaging can be recycled after cleaning.

### 13.3 The legislation of the waste

Act No. 541/2020 Coll., on the Waste  
 Decree No. 8/2021 Coll. (Waste Catalogue)  
 Decree No. 273/2021 Coll. on the Details of Waste Management

## 14. TRANSPORT INFORMATION

### 14.1 UN number or ID number

It is not subject to regulations for the transport of dangerous goods.

### 14.2 Relevant OSN name for shipment

It is not subject to regulations for the transport of dangerous goods.

### 14.3 Class of transport hazard

It is not subject to regulations for the transport of dangerous goods.

### 14.4 Packing group

It is not subject to regulations for the transport of dangerous goods.

### 14.5 Hazardous to environment

It is not subject to regulations for the transport of dangerous goods.

### 14.6 Special precautions for user

It is not subject to regulations for the transport of dangerous goods.

### 14.7 Sea mass transport according to IMO standards


It is not subject to regulations for the transport of dangerous goods.

## 15. REGULATIONS INFORMATION

### 15.1 Safety, health and environmental regulations / specific legislation relating to the substance or mixture

#### National regulations:

Act No. 254/2001 Coll. on Water (Water Act), as amended  
 Act No. 541/2020 Coll., on Waste  
 Act No. 201/2012 Coll., on Air Protection, as amended  
 Act No. 258/2000 Coll., on Protection of Public Health, as amended

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Act No. 350/2011 Coll. of 27 October 2011 on Chemical Substances and Chemical Mixtures and on the Amendment of Certain Acts (Chemical Act), as amended  
 Government Regulation No. 361/2007 Coll., as amended, which sets out the conditions for Health at work, including PEL and NPK limits (see Article 8).  
 Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals and establishing a European Chemicals Agency, as amended (REACH)  
 Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on Classification, Labelling and Packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

#### EU regulations:

Regulation No. 2004/42/EC (VOC): < 70%  
 Regulation (EC) No. 2037/2000 on substance that deplete the ozone layer: none  
 Regulation (EC) No. 850/2004 on persistent organic pollutants: none  
 Regulation (EC) No. 649/2012 concerning the export and import of hazardous chemicals  
 Regulation (EC) No. 1907/2006, REACH, Annex XIV Substances subject to authorisation, as amended: none

Observe the restrictions on the employment of young people under the "Directive on the protection of young people at work" (94/33/EC).

Observe the employment restrictions under the "Maternity Protection Directive" (92/85/EEC) for pregnant workers and workers who have recently given birth or are breastfeeding.

#### 15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for the product.

### 16. OTHER INFORMATION


Details about changes and revisions

| Revision nr. | Date       | The changes  |
|--------------|------------|--|
| 1            | 1.7.2014   | The new Material safety data sheet.  |
| 2            | 23.11.2022 | Complete revision of the safety data sheet - Modification of the SDS according to EU Commission Regulation 2020/878.<br>Update of legal regulations.<br>The changes affected all sections of BL.<br><b>Changes are marked in the BL with a GRAY BASE (does not apply to section headings).</b> |

#### Key or legend to abbreviations and acronyms used in the Material safety data sheet

|             |  |
|-------------|--|
| MSDS        | Material safety data sheet   |
| Exp. lim.   | Exposure limit   |
| ES (EINECS) | Existing Commercial Chemical Substances                                |
| CAS         | Chemical Abstracts Service (division of the American Chemical Society) |
| PEL         | Permissible exposure limit   |
| NPK-P       | Maximum permissible concentrations                                     |
| AGW         | Limit value in the workplace ( <i>Arbeitsplatzgrenzwerte</i> )         |
| PBT         | Persistent, bioaccumulative and toxic substances                       |
| vPvB        | Very persistent and very bioaccumulative substances                    |
| PPE         | Personal protective equipment  |
| DNEL        | Derived level at which there are no adverse effects                    |
| PNEC        | Estimation of the concentration at which no adverse effects occur      |
| VOC         | Volatile organic compounds   |
| ČSN         | Czech technical standards  |
| LC50        | The concentration with the observed death in 50% of animals tested     |
| LD50        | The dose with the observed death in 50% of animals tested              |
| IC50        | Concentration causing 50% blockade                                     |



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#### Sources of key data used to compile the data sheet

In addition to literature data the documents as follows were used to compile this Material Safety Data Sheet:

The information provided here is based on the best of our knowledge and current legislation. The safety data sheet was prepared based on the original safety data sheets provided by the supplier.

#### In the case of mixtures, which kind of the methods of evaluating information referred was used for classification purposes (in Article 9 of Regulation (ES) no. 1272/2008):

Use the procedure under Regulation (ES) no. 1272/2008, Art. 9, para. 4 - extrapolation based on defined properties of dominant component.

**A list of the relevant phrases, standardised phrases about dangerous, safety phrases and/or instructions for safe handling given in the Material Safety Data Sheet. Full text of all phrases and instructions which are not in full version in section 2 to 15:**

#### Hazard category:

None

#### Full text of H-phrases referred to the sections 2 and 3:

None

#### **Instructions about all training appropriate for workers to ensure protection of human health and the environment**

Include product handling instructions in workplace safety training. Before using the product the user must be familiar with the principles relating to BHP working with chemicals.

#### **Other information:**

#### Recommended use restrictions

The substance / mixture should not be used for any purpose other than that for which it is intended (see point 1.2).

As the specific conditions of use of the substance/mixture are beyond the supplier's control, it is the user's responsibility to adapt the prescribed warnings to local laws and regulations.

The safety information describes the product in terms of safety and cannot be considered as technical information about the product.

#### The safety data sheet has been processed:

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**End of Safety Data Sheet.**