

**Pergopak® M; Pergopak® M2; Pergopak® M3; Pergopak® M4; Pergopak® M5; Pergopak® M6**

According to WHS Act and the Work Health and Safety Regulations (the WHS Regulations), Section 274.  
New Zealand HSNO Chemical Classification  
GHS (Globally Harmonized System)

Issue Date 15/Dec/2022  
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Revision Number 1.5.3  
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**SECTION 1: Identification: Product identifier and chemical identity****1.1. Product identifier**

**Product Name:** Pergopak® M; Pergopak® M2; Pergopak® M3; Pergopak® M4; Pergopak® M5; Pergopak® M6

**Chemical Name** Polymethyl urea resin with ~15% water content.

**Pure substance/mixture** Mixture

**Urea, polymer with formaldehyde**

**CAS Number** 9011-05-6

**Weight-%** ~85

**Water**

**CAS Number** 7732-18-5

**Weight-%** 15

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

**Recommended Use** Carrier Pigment, matting agent, additives for papers, paints, varnishes, etc.

**Uses advised against** None known.

**1.3. Details of the supplier of the safety data sheet**

**Company:** MARTINSWERK GmbH  
Kölner Strasse 110  
50127 Bergheim  
Germany  
Tel. : +49-2271-90.22.78  
Fax. : +49-2271-90.27.17

**Internet** [www.hubermaterials.com](http://www.hubermaterials.com)

**E-mail** [hubermaterials@huber.com](mailto:hubermaterials@huber.com)

**1.4. Emergency telephone number** CHEMTREC: +1 800 424 9300 or International +1 703 527 3887  
In Asia Pacific: +65 6491 9100

**SECTION 2: Hazard(s) Identification****2.1. Classification of the substance or mixture**

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**Safety Data Sheet****Pergopak® M; Pergopak® M2; Pergopak® M3; Pergopak® M4; Pergopak® M5; Pergopak® M6****Issue Date** 15/Dec/2022**Print Date** 15/Dec/2022**Revision Number** 1.5.3**Page** 2 of 10**Physical Hazards** Not classified**Health Hazards** Not classified**Environmental Hazards** Not classified**Symbols/Pictograms** None**Signal Word** None**Hazard Statements** None**Precautionary Statements**

**Prevention** Do not handle until all safety precautions have been read and understood  
 Avoid release to the environment  
 Observe good industrial hygiene practice  
 Avoid breathing dust.  
 Use mechanical ventilation (dilution and local exhaust) to control exposure

**Response** IF ON SKIN: Wash with plenty of soap and water  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing

**Storage** Keep in a dry place  
 Store away from incompatible materials

**Disposal** Dispose of contents/containers in accordance with local regulations

**Hazards not otherwise classified (HNOC)** Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation.

**SECTION 3: Composition and Information on Ingredients****Pure substance/mixture**

Mixture

| Chemical Name                   | CAS Number | Australia (AIIIC) | New Zealand | Hazardous Substances | TSCA: United States | EU REACH registration number | Weight-% |
|---------------------------------|------------|-------------------|-------------|----------------------|---------------------|------------------------------|----------|
| Urea, polymer with formaldehyde | 9011-05-6  | Y                 | Y           | Not classified       | A                   | Exempt                       | ~85      |
| Water                           | 7732-18-5  | Y                 | Y           |                      | A                   | Exempt                       | 15       |

**Additional Information:** The concentration of free formaldehyde is less than 0.1%.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

|                                                                                        |                                                                                                                                                                                |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Advice</b>                                                                  | When in doubt or if symptoms are observed, get medical advice. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. |
| <b>Eye Contact</b>                                                                     | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist, call a physician.        |
| <b>Skin Contact</b>                                                                    | Wash with plenty of soap and water.                                                                                                                                            |
| <b>Inhalation</b>                                                                      | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.                                                                                      |
| <b>Ingestion</b>                                                                       | Rinse mouth thoroughly with water.                                                                                                                                             |
| <b>Aspiration hazard</b>                                                               | Based on available data, the classification criteria are not met.                                                                                                              |
| <b>Notes to Physician</b>                                                              | Treat symptomatically.                                                                                                                                                         |
| <b>4.2. Most important symptoms and effects, both acute and delayed</b>                | Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin.                                         |
| <b>4.3. Indication of any immediate medical attention and special treatment needed</b> | Treat symptomatically. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.        |

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable Extinguishing Media**

Use extinguishing agent suitable for type of surrounding fire. Water spray (fog). Dry chemical. Foam. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media**

None known.

**5.2. Special hazards arising from the substance or mixture**

Fire may produce irritating, corrosive and/or toxic gases. Do not breathe dust/fume/gas/mist/vapors/spray.

**5.3. Advice for firefighters****Special protective equipment for firefighters**

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

**Fire-fighting measures**

Water mist may be used to cool closed containers.

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

Avoid dust formation. Ensure adequate ventilation. Use personal protection recommended in Section 8. Keep unauthorized personnel away.

For non-emergency personnel

Keep unauthorized personnel away.

For emergency responders

Keep unauthorized personnel away. Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

Avoid runoff to waterways and sewers.

**6.3. Methods and material for containment and cleaning up**

Large Spill: Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust Small Spill: Vacuum or sweep material and place in a disposal container

**6.4. Reference to other sections**

Section 8: Exposure controls and personal protection. See Section 13 for additional waste treatment information.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Avoid exposure - obtain special instructions before use  
Do not handle until all safety precautions have been read and understood.  
Minimize dust generation and accumulation  
Ensure adequate ventilation  
Handle in accordance with good industrial hygiene and safety practice  
Use personal protective equipment as required

**7.2. Conditions for safe storage, including any incompatibilities**

Keep container tightly closed and dry

**SECTION 8: Exposure controls and personal protection****8.1. Control parameters****Occupational exposure limits****Urea, polymer with formaldehyde**

Australia  
ACGIH  
EU TWA  
OSHA

Not established  
Not established  
Not established  
Not established

## 8.2. Exposure controls

### Engineering Measures

Do not handle until all safety precautions have been read and understood  
Ensure adequate ventilation, especially in confined areas  
Provide a good standard of controlled ventilation (10 to 15 air changes per hour)  
Use exhaust ventilation to keep airborne concentrations below exposure limits  
In case of insufficient ventilation, wear suitable respiratory equipment

### Personal protective equipment

#### Eye/Face Protection

Wear safety glasses with side shields (or goggles).

#### Skin and Body Protection

Wear suitable protective clothing.

#### Hand protection

For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

#### Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

#### Thermal hazards

None known.

#### Hygiene Measures

Follow general hygiene considerations recognized as common good workplace practices

#### Environmental Exposure Controls

Dispose of in accordance with local regulations

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance:

|                                |                     |
|--------------------------------|---------------------|
| Physical State                 | Powder              |
| Color                          | White               |
| Odor                           | Odorless            |
| Odor Threshold                 | None                |
| pH:                            | 8.0 < / =0.3% Water |
| Melting Point / Melting Range  | Not applicable      |
| Melting point / Freezing point | Not applicable      |
| Boiling Point / Boiling Range  | Not applicable      |
| Freezing Point                 | Not applicable      |
| Flash Point                    | > 200 °C            |
| Evaporation Rate               | No data available.  |
| Flammability (solid, gas)      | Not applicable      |
| Flammability (solid, gas)      | Non-combustible     |
| Upper flammability limit:      | --                  |
| Lower flammability limit:      | --                  |
| Vapor Pressure                 | Not applicable      |
| Vapor Pressure                 | Not applicable      |
| Vapor Density                  | Not applicable      |

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|                              |                                                                                                                                                           |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Density                      | No data available                                                                                                                                         |
| Relative Density             | ca 1.47 (20°C)                                                                                                                                            |
| Water Solubility             | practically insoluble                                                                                                                                     |
| Solubility in other solvents | No information available                                                                                                                                  |
| Partition coefficient        | No information available Not applicable                                                                                                                   |
| Autoignition Temperature     | No information available                                                                                                                                  |
| Decomposition Temperature    | > 200 °C                                                                                                                                                  |
| Viscosity                    | No information available.                                                                                                                                 |
| Kinematic viscosity          | Not applicable                                                                                                                                            |
| Dynamic viscosity            | Not applicable                                                                                                                                            |
| Explosive Properties         | Maximum Pressure - 156.5 psig 10.8 bar<br>Maximum Pressure Rise - 452 bar/s<br>Deflagration Index 123 Kst bar m/s<br>Limiting Oxygen Concentration: 18.5% |
| Oxidizing Properties         | Not applicable                                                                                                                                            |
| Particle Size                | No information available                                                                                                                                  |
| VOC Content (%)              | Not applicable                                                                                                                                            |

**9.2. Other information****9.2.1. Information with regard to physical hazard classes**

Not applicable

**9.2.2. Other safety characteristics**

Not applicable

**SECTION 10: Stability and reactivity**

|                                          |                                              |
|------------------------------------------|----------------------------------------------|
| 10.1. Reactivity                         | Stable under normal conditions               |
| 10.2. Chemical stability                 | Stable under normal conditions               |
| 10.3. Possibility of hazardous reactions | No specific hazard known                     |
| 10.4. Conditions to avoid                | Dust formation Heat, flames and sparks       |
| 10.5. Incompatible materials             | None known                                   |
| 10.6. Hazardous decomposition products   | None known<br>Avoid temperatures above 200°C |

**SECTION 11: Toxicological information**

**General Information** Users are advised to consider national Occupational Exposure Limits or other equivalent values.

**Information on Likely Routes of Exposure**

|                          |                                                                                                                                  |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>        | Based on available data, the classification criteria are not met<br>Dust contact with the eyes can lead to mechanical irritation |
| <b>Skin</b>              | Avoid prolonged or repeated contact with skin                                                                                    |
| <b>Eyes</b>              | Avoid contact with eyes                                                                                                          |
| <b>Ingestion</b>         | Ingestion is not a likely route of exposure                                                                                      |
| <b>Aspiration hazard</b> | Not an expected route of exposure.                                                                                               |

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Urea, polymer with formaldehyde**

|                        |                                     |
|------------------------|-------------------------------------|
| <b>Oral LD50</b>       | 8394 mg/kg Rat                      |
| <b>Dermal LD50</b>     | > 2100 mg/kg Rabbit                 |
| <b>Inhalation LC50</b> | > 167 mg/m <sup>3</sup> 4- hour Rat |

|                                                           |                                                                                        |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>Skin Corrosion/Irritation</b>                          | Based on available data, the classification criteria are not met Non-irritant          |
| <b>Skin Sensitization</b>                                 | Based on available data, the classification criteria are not met Not a skin sensitizer |
| <b>Mutagenicity</b>                                       | No information available                                                               |
| <b>Reproductive Effects</b>                               | No information available.                                                              |
| <b>Carcinogenicity</b>                                    | No known carcinogens are present at greater than 0.1%.                                 |
| <b>Specific target organ toxicity - Single exposure</b>   | No information available.                                                              |
| <b>Specific target organ toxicity - Repeated exposure</b> | No information available.                                                              |

**11.2. Information on other hazards**

|                                                |                                                                           |
|------------------------------------------------|---------------------------------------------------------------------------|
| <b>11.2.1. Endocrine disrupting properties</b> | This product does not contain any known or suspected endocrine disruptors |
| <b>11.2.2. Other information</b>               | Not applicable                                                            |

**SECTION 12: Ecological information**

|                       |                                              |
|-----------------------|----------------------------------------------|
| <b>12.1. Toxicity</b> | Not considered to be harmful to aquatic life |
|-----------------------|----------------------------------------------|

**Urea, polymer with formaldehyde**

|                                  |                                        |
|----------------------------------|----------------------------------------|
| <b>96-Hour LC50</b>              | > 1000 mg/l Fish                       |
| <b>48-Hour EC50</b>              | > 1000 mg/L Daphnia Magna (Water Flea) |
| <b>WGK Classification (AwSV)</b> | 3777 WGK: 1                            |

|                                                 |                                                                           |
|-------------------------------------------------|---------------------------------------------------------------------------|
| <b>12.2. Persistence and degradability</b>      | No information available.                                                 |
| <b>12.3. Bioaccumulative potential</b>          | No information available.                                                 |
| <b>Bioconcentration factor (BCF)</b>            | No data available.                                                        |
| <b>12.4. Mobility in soil</b>                   | No information available.                                                 |
| <b>12.5. Results of PBT and vPvB assessment</b> | No information available.                                                 |
| <b>12.6. Endocrine disrupting properties</b>    | This product does not contain any known or suspected endocrine disruptors |

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                               |                                                                                                                                                |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal Methods</b>       | Disposal should be in accordance with applicable regional, national and local laws and regulations.                                            |
| <b>Contaminated Packaging</b> | Product residue may remain in empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal. |
| <b>Waste codes</b>            | Waste codes should be assigned by the user based on the application for which the product was used                                             |

### Urea, polymer with formaldehyde

WGK Classification (AwSV) 3777 WGK: 1

## SECTION 14: Transport information

### Mode of Transportation (Road, Water, Air, Rail)

|                    |               |
|--------------------|---------------|
| <b>TDG -Canada</b> | Not regulated |
| <b>DOT</b>         | Not regulated |
| <b>ADR</b>         | Not regulated |
| <b>ADN</b>         | Not regulated |
| <b>IATA</b>        | Not regulated |
| <b>IMDG/IMO</b>    | Not regulated |
| <b>ICAO</b>        | Not regulated |

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14.1. UN number or ID number None

14.2. UN proper shipping name None

14.3. Transport hazard class(es) None

14.4. Packing group None

14.5. Environmental hazards No

14.6. Special precautions for user Not applicable

14.7. Maritime transport in bulk according to IMO instruments  
Not applicable

## SECTION 15: Regulatory Information

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

#### Global Inventories

Pure substance/mixture

Mixture

| Chemical Name                   | CAS Number | Australia (AIC) | Canada (DSL) | China (IECSC) | EU REACH registration number | EC No     | Japan                             | S. Korea (KECL) | Mexico | New Zealand | Philippines (PICCS) | Taiwan | TSCA: United States |
|---------------------------------|------------|-----------------|--------------|---------------|------------------------------|-----------|-----------------------------------|-----------------|--------|-------------|---------------------|--------|---------------------|
| Urea, polymer with formaldehyde | 9011-05-6  | Y               | Y            | Y             | Exempt                       | -         | (7)-576 (ENCS)<br>(9)-1835 (ISHL) | KE-35175        | N      | Y           | Y                   | Y      | A                   |
| Water                           | 7732-18-5  | Y               | Y            | Y             | Exempt                       | 231-791-2 | ENCS                              | KE-35400        | Y      | Y           | Y                   | Y      | A                   |

#### Legend

X / Y: Complies ; A: Active ; - / N: Exempt / Not Listed

## SECTION 16: Other information

#### Reason for Revision

According to WHS Act and the Work Health and Safety Regulations (the WHS Regulations), Section 274. New Zealand HSNO Chemical Classification.

#### GHS Classification

This product is not classified as hazardous according to the UN GHS guideline and labeling is not required

#### Hazards identification

##### Physical Hazards

Not classified

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**Health Hazards** Not classified

**Environmental Hazards** Not classified

**Symbols/Pictograms** None

**Signal Word** None.

**Hazard Statements** None.

**Training Advice** Do not handle until all safety precautions have been read and understood.

### Abbreviations and acronyms

IARC (International Agency for Research on Cancer)  
IATA (International Air Transport Association)  
IMDG (International Maritime Dangerous Goods)  
IUCLID (International Uniform Chemical Information Database)  
WHMIS (Workplace Hazardous Materials Information System)  
DOT (Department of Transportation)  
OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
TWA (Time-Weighted Average)  
CLP (The Classification, Labeling and Packaging of Substances and Mixtures Regulation (EC 1272/2008))  
PPE (Personal Protection Equipment)  
NIOSH (National Institute for Occupational Safety and Health)  
TDG (Transport of Dangerous Goods) Canada  
CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)  
RQ (Reportable Quantity) (RQ/% in mixture)  
STEL (Short Term Exposure Limit)  
TLV® (Threshold Limit Value)  
DNEL (Derived No Effect Level)  
SVHC (Substances of Very High Concern)  
BOD (Biochemical oxygen demand)  
COD (Chemical oxygen demand)  
ICAO (International Civil Aviation Organization)  
IMDG (International Maritime Dangerous Goods)  
ADR (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
RID (Agreement Concerning the International Carriage of Dangerous Goods by Rail)  
SCBA (Self-Contained Breathing Apparatus) Positive Pressure  
PNEC (Predicted No Effect Concentration)  
GHS (Globally Harmonized System)  
TSCA (Toxic Substances Control Act)

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**