



Pergopak® M; Pergopak® M2; Pergopak® M3; Pergopak® M4; Pergopak® M5; Pergopak® M6; Pergopak® M7

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006
COMMISSION REGULATION (EU) No. 2020/878

Issue Date 01/Apr/2026
Print Date 14/Apr/2026

Revision Number 1.7
Page 1 of 13

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

1.1. Product identifier

Product Name: Pergopak® M; Pergopak® M2; Pergopak® M3; Pergopak® M4; Pergopak® M5; Pergopak® M6; Pergopak® M7

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

Pure substance/mixture Mixture

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

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

Internet www.huberadvancedmaterials.com

Contact E-Mail www.huberadvancedmaterials.com/contact

1.4. Emergency telephone number CHEMTREC: +1 800 424 9300 or International 1+703-527-3887

Poison control center phone number National Anti-Poison Center UK: +44 844 892 0111 (National Poisons Information Service)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

(CLP) Regulation (EC 1272/2008) Not classified.

Hazards identification

Safety Data Sheet

Pergopak® M; Pergopak® M2; Pergopak® M3; Pergopak® M4; Pergopak® M5; Pergopak® M6; Pergopak® M7

Issue Date 01/Apr/2026

Print Date 14/Apr/2026

Revision Number 1.7

Page 2 of 13

Physical Hazard Not classified.

Health Hazards Not classified.

Environmental Hazard Not classified.

2.2. Label elements

Symbols/Pictograms None

Signal Word None

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

Precautionary Statements

Prevention Employ good industrial hygiene practice
Wash hands thoroughly after handling

Response IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
IF ON SKIN: Wash with plenty of soap and water

Storage Keep in a dry place

Disposal Disposal should be in accordance with applicable regional, national and local laws and regulations.

Supplemental Information EUH208 - Contains Formaldehyde. May produce an allergic reaction.

2.3. Other hazards The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration
This product does not contain any known or suspected endocrine disruptors

SECTION 3: Composition/information on ingredients

3.1. Substance Not applicable

3.2. Mixture Mixture

| Chemical Name | CAS NUMBER: | EC No | (CLP) Regulation (EC 1272/2008) | Weight-% |
|---------------------------------|-------------|-----------|--|----------|
| Urea, polymer with formaldehyde | 9011-05-6 | - | Not classified | ~85 |
| Water | 7732-18-5 | 231-791-2 | Not classified | 15 |
| Formaldehyde | 50-00-0 | 200-001-8 | <0.1%, This product is not classified as dangerous, [Carc. 1B (H350).Muta. 2 (H341).Acute Tox. 2 (Inhalation) (H330).Acute | < 0.1 |

Safety Data Sheet

Pergopak® M; Pergopak® M2; Pergopak® M3; Pergopak® M4; Pergopak® M5; Pergopak® M6; Pergopak® M7

Issue Date 01/Apr/2026

Print Date 14/Apr/2026

Revision Number 1.7

Page 3 of 13

| | | | | |
|--|--|--|--|--|
| | | | Tox. 4 (Oral) (H302).Skin Corr. 1B (H314).Skin Sens. 1A (H317).] | |
|--|--|--|--|--|

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--|--|
| General Advice | 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. |
| Eye Contact | 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. |
| Skin Contact | Wash with plenty of soap and water. |
| Inhalation | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. |
| Ingestion | Rinse mouth thoroughly with water. |
| Aspiration hazard | Based on available data, the classification criteria are not met. |
| Notes to Physician | Treat symptomatically. |
| 4.2. Most important symptoms and effects, both acute and delayed | Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin. |
| 4.3. Indication of any immediate medical attention and special treatment needed | 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 (CO₂).

Unsuitable Extinguishing Media

None known.

Safety Data Sheet

Pergopak® M; Pergopak® M2; Pergopak® M3; Pergopak® M4; Pergopak® M5; Pergopak® M6; Pergopak® M7

Issue Date 01/Apr/2026

Print Date 14/Apr/2026

Revision Number 1.7

Page 4 of 13

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

7.3. Specific end use(s)

No information available.

Safety Data Sheet

Pergopak® M; Pergopak® M2; Pergopak® M3; Pergopak® M4; Pergopak® M5; Pergopak® M6; Pergopak® M7

Issue Date 01/Apr/2026

Print Date 14/Apr/2026

Revision Number 1.7

Page 5 of 13

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Urea, polymer with formaldehyde

| | |
|--------|-----------------|
| EU TWA | Not established |
| ACGIH | Not established |
| OSHA | Not established |
| NIOSH | Not established |

Formaldehyde

| | |
|----------------|--|
| ACGIH | TLV (TWA): 5ppm Ceiling: 0.3 ppm |
| OSHA | TWA: 0.75 ppm |
| NIOSH | IDLH: 20 ppm Ceiling: 0.1 ppm 15 min TWA: 0.016 ppm |
| Austria | Skin: 0.6 mg/m ³ STEL: 0.5 ppm Ceiling: 0.5 ppm |
| Bulgaria | 1.0 mg/m ³ TWA |
| Bulgaria | 2.0 mg/m ³ STEL |
| Croatia | 2.5 mg/m ³ TWA |
| Croatia | 2.5 mg/m ³ STEL |
| Czech Republic | 0.5 mg/m ³ TWA |
| Czech Republic | 1 mg/m ³ CEIL |
| Estonia | TWA: 0.6 mg/m ³ |
| Finland | TWA: 0.37 mg/m ³ |
| Finland | STEL: 1.2 mg/m ³ |
| France | 0.6 ppm 0.74 mg/m ³ |
| Germany | 0.3 ppm 0.37 mg/m ³ |
| Greece | 2.5 mg/m ³ TWA |
| Greece | 2.5 mg/m ³ STEL |
| Hungary | 0.6 mg/m ³ TWA |
| Hungary | 0.6 mg/m ³ STEL |
| Ireland | 2.5 mg/m ³ TWA |
| Ireland | 2.5 mg/m ³ STEL |
| Italy | 0.37 mg/m ³ 0.3 ppm 0.62 mg/m ³ 0.5 ppm |
| Latvia | TWA: 0.5 mg/m ³ |
| Lithuania | TWA: 0.6 mg/m ³ |
| Netherlands | 1.5MGM3; 1PPM TWA |
| Netherlands | 3MGM3; 2PPM TWA |
| Norway | TWA: 0.6 mg/m ³ |
| Norway | STEL: 0.6 mg/m ³ |
| Poland | 0.5 mg/m ³ TWA |
| Poland | 1 mg/m ³ STEL |
| Romania | TWA: 1.20 mg/m ³ |
| Romania | STEL: 3 mg/m ³ |

Safety Data Sheet

Pergopak® M; Pergopak® M2; Pergopak® M3; Pergopak® M4; Pergopak® M5; Pergopak® M6; Pergopak® M7

Issue Date 01/Apr/2026

Print Date 14/Apr/2026

Revision Number 1.7

Page 6 of 13

| | |
|----------------|------------------------------|
| Slovakia | TWA: 0.37 mg/m ³ |
| Slovenia | TWA: 0.62 mg/m ³ |
| Spain | STEL: 0.37 mg/m ³ |
| Sweden | TWA: 0.37 mg/m ³ |
| Switzerland | TWA: 0.37 mg/kg |
| Switzerland | STEL: 0.74 mg/m ³ |
| United Kingdom | TWA: 2.5 mg/m ³ |
| United Kingdom | STEL: 2.5 mg/m ³ |

Recommended monitoring procedures Refer also to national guidance documents for information on currently recommended monitoring procedures

Biological Limit Values None

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). Use eye protection according to EN 166.

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. Wear suitable gloves tested to EN 374.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposures exceeds established guidelines. In case of exposure to high levels of airborne mist, wear a respirator in compliance with national legislation. EN 149, P2 Half-mask.

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

Safety Data Sheet

Pergopak® M; Pergopak® M2; Pergopak® M3; Pergopak® M4; Pergopak® M5; Pergopak® M6; Pergopak® M7

Issue Date 01/Apr/2026

Print Date 14/Apr/2026

Revision Number 1.7

Page 7 of 13

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

| | |
|--------------------------------|---|
| Physical State | Powder |
| Color | White |
| Odor | Odorless |
| 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 |
| Flammability | Not applicable |
| Flammability | Non-combustible |
| Upper flammability limit: | -- |
| Lower flammability limit: | -- |
| Vapor Pressure | Not applicable |
| Vapor Pressure | Not applicable |
| Relative Vapor Density | Not applicable |
| 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 | Not applicable |
| Oxidizing Properties | Not applicable |
| Particle Characteristics | 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

Maximum Pressure - 156.5 psig 10.8 bar

Maximum Pressure Rise - 452 bar/s

Deflagration Index 123 Kst bar m/s

Limiting Oxygen Concentration: 18.5%

SECTION 10: Stability and reactivity

Safety Data Sheet

Pergopak® M; Pergopak® M2; Pergopak® M3; Pergopak® M4; Pergopak® M5; Pergopak® M6; Pergopak® M7

Issue Date 01/Apr/2026

Print Date 14/Apr/2026

Revision Number 1.7

Page 8 of 13

| | |
|---|--|
| 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 Avoid temperatures above 200°C |

SECTION 11: Toxicological information

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

11.1. Information on toxicological effects

Urea, polymer with formaldehyde

LD50s and LC50s > 167 mg/m³ Inhalation LC50
= 8394 mg/kg Oral LD50

Dermal LD50 > 2100 mg/kg Rabbit

Water

LD50s and LC50s > 90 mL/kg Oral LD50

Formaldehyde

LD50s and LC50s > 2000 mg/kg Dermal LD50
< 463 ppm Inhalation LC50
= 100 mg/kg Oral LD50

ACGIH Group 2A - Probably Carcinogenic to Humans

OSHA Potential cancer hazard

IARC Group 1 - Carcinogenic to Humans

NTP (National Toxicology Program) Known - Known Carcinogen

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

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

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

Skin Corrosion/Irritation Based on available data, the classification criteria are not met. Non-irritant

Safety Data Sheet

Pergopak® M; Pergopak® M2; Pergopak® M3; Pergopak® M4; Pergopak® M5; Pergopak® M6; Pergopak® M7

Issue Date 01/Apr/2026

Print Date 14/Apr/2026

Revision Number 1.7

Page 9 of 13

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

Information on Likely Routes of Exposure

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

11.2. Information on other hazards

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

Safety Data Sheet

Pergopak® M; Pergopak® M2; Pergopak® M3; Pergopak® M4; Pergopak® M5; Pergopak® M6; Pergopak® M7

Issue Date 01/Apr/2026

Print Date 14/Apr/2026

Revision Number 1.7

Page 10 of 13

SECTION 12: Ecological information

12.1. Toxicity Not considered to be harmful to aquatic life

Urea, polymer with formaldehyde

96-Hour LC50 > 1000 mg/l Fish

48-Hour EC50 > 1000 mg/L Daphnia Magna (Water Flea)

WGK Classification (AwSV) Not listed

Formaldehyde

WGK Classification (AwSV) 112. WGK: 3

12.2. Persistence and degradability No information available.

12.3. Bioaccumulative potential No information available.

Bioconcentration factor (BCF) No data available.

12.4. Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment No information available.

12.6. Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors

12.7. Other Adverse Effects None known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal Methods Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Product residue may remain in empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Waste codes 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) Not listed

Safety Data Sheet

Pergopak® M; Pergopak® M2; Pergopak® M3; Pergopak® M4; Pergopak® M5; Pergopak® M6; Pergopak® M7

Issue Date 01/Apr/2026

Print Date 14/Apr/2026

Revision Number 1.7

Page 11 of 13

Formaldehyde

WGK Classification (AwSV) 112. WGK: 3

SECTION 14: Transport information

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

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

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: | EC No | Australia (AIC) | Canada (DSL) | China (IECSC) | Japan | S. Korea (KECL) | Mexico | Thailand (TECI) | New Zealand | Philippines (PICCS) | Taiwan | TSCA: United States |
|---------------------------------|-------------|-----------|-----------------|--------------|---------------|----------------|-----------------|--------|-----------------|-------------|---------------------|--------|---------------------|
| Urea, polymer with formaldehyde | 9011-05-6 | - | Y | Y | Y | (7)-576 (ENCS) | KE-35175 | N | N | Y | Y | Y | A |
| Water | 7732-18-5 | 231-791-2 | Y | Y | Y | ENCS | KE-35400 | Y | 55-1-06024 | Y | Y | Y | A |

HUBER

Safety Data Sheet

Pergopak® M; Pergopak® M2; Pergopak® M3; Pergopak® M4; Pergopak® M5; Pergopak® M6; Pergopak® M7

Issue Date 01/Apr/2026

Print Date 14/Apr/2026

Revision Number 1.7

Page 12 of 13

| | | | | | | | | | | | | | |
|--------------|---------|-----------|---|---|---|--|----------|---|----------------|---|---|---|---|
| Formaldehyde | 50-00-0 | 200-001-8 | Y | Y | Y | (2)-482 (ENCS) 2-(8)-379 (ISHL) | KE-17074 | Y | 55-1-0393 4 | Y | Y | Y | A |
|--------------|---------|-----------|---|---|---|--|----------|---|----------------|---|---|---|---|

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

Regulatory information

The synthetic polymer microparticles supplied is subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

REACH No.

Urea, polymer with formaldehyde

EU REACH registration number Exempt

Water

EU REACH registration number Exempt

Formaldehyde

EU REACH registration number 01-2119488953-20-xxxx

Germany

Urea, polymer with formaldehyde

WGK Classification (AwSV) Not listed

Formaldehyde

WGK Classification (AwSV) 112. WGK: 3

15.2. Chemical safety assessment

A Chemical Safety Assessment is not required for this substance

SECTION 16: Other information

Reason for Revision

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 & COMMISSION REGULATION (EU) No. 2020/878

Issue Date

01/Apr/2026

Print Date

14/Apr/2026

Revision Number

1.7

Prepared by

Huber Engineered Materials Global Regulatory Affairs
(Email – HEM.HAMRegulatory@huber.com).

(CLP) Regulation (EC 1272/2008) Not classified.

Labeling

Symbols/Pictograms

None

Signal Word

None

Safety Data Sheet

Pergopak® M; Pergopak® M2; Pergopak® M3; Pergopak® M4; Pergopak® M5; Pergopak® M6; Pergopak® M7

Issue Date 01/Apr/2026

Print Date 14/Apr/2026

Revision Number 1.7

Page 13 of 13

Hazard Statements

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

Training Advice

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

Abbreviations and acronyms

IARC (International Agency for Research on Cancer)
IUCLID (International Uniform Chemical Information Database)
WHMIS (Workplace Hazardous Materials Information System)
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)
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)
IATA (International Air Transport Association)
IMDG (International Maritime Dangerous Goods)
DOT (Department of Transportation)
TDG (Transport of Dangerous Goods) Canada
PNEC (Predicted No Effect Concentration)
SCBA (Self-Contained Breathing Apparatus) Positive Pressure
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