



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

This material safety datasheet has been prepared according to Brazilian legislation and ABNT NBR 14725:2023 GHS (Globally Harmonized System)

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Revision Number 1.7.1

SECTION 1: Identification

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

Company: 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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Physical Hazards Not classified.

Health Hazards Not classified.

Environmental Hazard Not classified.

Safety Data Sheet

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

Issue Date 30/Jul/2026

Print Date 30/Jul/2026

Revision Number 1.7.1

Page 2 of 11

2.2. Label elements

Symbols/Pictograms	None.
Signal Word	None.
Hazard Statements	Product not classified as hazardous according to ABNT NBR 14725

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/information on ingredients

Pure substance/mixture Mixture

Chemical Name	CAS Number	GHS Classification	Weight-%
Urea, polymer with formaldehyde	9011-05-6	Not classified.	~85
Water	7732-18-5	Not classified.	15
Formaldehyde	50-00-0	<0.1%. Not classified.	< 0.1

SECTION 4: First aid measures

4.1. Description of first aid measures

Safety Data Sheet

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

Issue Date 30/Jul/2026

Print Date 30/Jul/2026

Revision Number 1.7.1

Page 3 of 11

General Advice	Employ good industrial hygiene practice. Wear suitable protective clothing, gloves and eye/face protection. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. When in doubt or if symptoms are observed, get medical advice.
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.
Ingestion	Rinse mouth thoroughly with water.
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
Aspiration hazard	Based on available data, the classification criteria are not met.
4.2. Most important symptoms and effects, both acute and delayed	May cause skin, eye, and respiratory tract irritation.
4.3. Indication of any immediate medical attention and special treatment needed	Treatment should be symptomatic and supportive. 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	Water spray (fog). Foam. Dry chemical. Carbon dioxide (CO2).
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. Combustible dust may form combustible (explosive) dust-air mixtures.

Safety Data Sheet

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

Issue Date 30/Jul/2026
Print Date 30/Jul/2026

Revision Number 1.7.1
Page 4 of 11

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

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 The use of water wash down is not recommended unless the spilled material is already wet

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
Do not breathe dust
Ensure adequate ventilation
Wear appropriate personal protective clothing to prevent skin contact
Handle in accordance with good industrial hygiene and safety practice

7.2. Conditions for safe storage, including any incompatibilities Keep container tightly closed and dry.

7.3. Specific end use(s) No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Urea, polymer with formaldehyde

OSHA

Not established

Safety Data Sheet

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

Issue Date 30/Jul/2026

Print Date 30/Jul/2026

Revision Number 1.7.1

Page 5 of 11

ACGIH

Not established

NIOSH

Not established

Formaldehyde

OSHA

TWA: 0.75 ppm

ACGIH

TLV (TWA): 5ppm

Ceiling: 0.3 ppm

ACGIH

0.3 ppm

NIOSH

IDLH: 20 ppm

Ceiling: 0.1 ppm 15 min

TWA: 0.016 ppm

Brazil - Occupational Exposure Limits - 0.1 ppm

Tolerance Limits (TWAs)

PNEC (Predicted No Effect Concentration)

No information available

Biological Limit Values

No information available

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. Wear suitable gloves tested to EN 374.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection.

Thermal hazards

None known. Wear suitable protective clothing.

Hygiene Measures

Follow general hygiene considerations recognized as common good workplace practices. The worker should wash daily at the end of each work shift, and prior to eating, drinking, smoking, etc.

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

Physical State

Powder.

Color

White

Safety Data Sheet

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

Issue Date 30/Jul/2026

Print Date 30/Jul/2026

Revision Number 1.7.1

Page 6 of 11

Odor	Odorless
Odor Threshold	None
pH:	8.0 < / =0.3% Water
Melting point / Freezing point	Not available
Melting Point / Melting Range	Not available
Initial boiling point	Not available
Flash Point	> 200 °C
Evaporation Rate	No data available
Density	1.47 g/cm3
Particle Characteristics	Observe technical data sheet
Water Solubility	practically insoluble
Partition coefficient	Not available
Autoignition Temperature	No information available
Decomposition Temperature	> 200 °C
Viscosity	Not applicable
Explosive Properties	Not applicable
Oxidizing Properties	Not available
VOC Content (%)	Not applicable
Solubility in other solvents	No information available
9.2. Other information	None known

SECTION 10: Stability and reactivity

10.1. Reactivity	None.
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.

Safety Data Sheet

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

Issue Date 30/Jul/2026

Print Date 30/Jul/2026

Revision Number 1.7.1

Page 7 of 11

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.

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.
Skin	Avoid prolonged or repeated contact with skin.
Eyes	Avoid contact with eyes.
Ingestion	Ingestion is not a likely route of exposure.
Aspiration hazard	Not an expected route of exposure.
Symptoms related to the physical, chemical and toxicological characteristics	Signs and symptoms may include coughing, gasping, choking and difficulty breathing. Contact with eyes may cause irritation.

11.1. Information on toxicological effects

Urea, polymer with formaldehyde - 9011-05-6

Dermal LD50 > 2100 mg/kg Rabbit

Formaldehyde - 50-00-0

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.
Chronic Toxicity	Based on available data, the classification criteria are not met.
Chronic Effects	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.
Respiratory Sensitization	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 30/Jul/2026

Print Date 30/Jul/2026

Revision Number 1.7.1

Page 8 of 11

Skin Sensitization	Based on available data, the classification criteria are not met. Not a skin sensitizer.
Mutagenicity	No information available.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Reproductive Effects	No information available.
Reproductive Toxicity	Based on available data, the classification criteria are not met.
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.
Mixture versus substance information	No information available.

SECTION 12: Ecological information

12.1. Ecotoxicity

Urea, polymer with formaldehyde - 9011-05-6

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

12.2. Persistence and degradability	No information available.
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12.3. Bioaccumulative potential	No information available.
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Partition coefficient	Not available.
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Bioconcentration factor (BCF)	Not available.
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12.4. Mobility in soil	No information available.
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12.5. Results of PBT and vPvB assessment	No information available.
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Safety Data Sheet

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

Issue Date 30/Jul/2026

Print Date 30/Jul/2026

Revision Number 1.7.1

Page 9 of 11

12.6. Other adverse effects No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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
Disposal Methods	Dispose of waste product or used containers according to local regulations

SECTION 14: Transport information

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

Land transport

ANTT

Not regulated

Water transport

IMDG/IMO

Not regulated

Standard 5 of the Directorate of Ports and Coasts (DPC)

Not regulated

National Waterway Transport Agency (ANTAQ)

Not Regulated

Air transport

Air transport (ICAO-TI / IATA-DGR)

Not Regulated

National Civil Aviation Agency (ANAC)

Not Regulated

14.1. UN 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

Safety Data Sheet

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

Issue Date 30/Jul/2026

Print Date 30/Jul/2026

Revision Number 1.7.1

Page 10 of 11

14.6. Special precautions for user Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

SECTION 15: Regulatory information

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

Global Inventories

Chemical Name	CAS Number	EC No	EU REACH registration number	Australia (AIC)	Canada (DSL)	China (IECSC)	Japan	S. Korea (KECL)	Mexico	New Zealand	Philippines (PICCS)	Taiwan	TSCA: United States
Urea, polymer with formaldehyde	9011-05-6	-	Exempt	Y	Y	Y	(7)-576 (ENCS)	KE-35175	N	Y	Y	Y	A
Water	7732-18-5	231-791-2	Exempt	Y	Y	Y	ENCS	KE-35400	Y	Y	Y	Y	A
Formaldehyde	50-00-0	200-001-8	01-211948 8953-20-x xxx	Y	Y	Y	(2)-482 (ENCS) 2-(8)-379 (ISHL)	KE-17074	Y	Y	Y	Y	A

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

SECTION 16: Other information

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Reason for Revision

Revised Section(s): 1. 2. 9. 14.

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

HUBER

Safety Data Sheet

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

Issue Date 30/Jul/2026

Print Date 30/Jul/2026

Revision Number 1.7.1

Page 11 of 11

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)
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