

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)

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Print Date 15/Dec/2022

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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

E-mail 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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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

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.

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 Maximum Pressure Rise - 452 bar/s Deflagration Index 123 Kst bar m/s 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 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.

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

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

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

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

SECTION 12: Ecological information

12.1. Toxicity	Not considered to be harmful to aquatic life
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Urea, polymer with formaldehyde

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.
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

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) 3777 WGK: 1

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

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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) (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