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SECTION 1: Product and company identification**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
SS 586:2008: Not classified
Weight-% ~85**Water****CAS NUMBER:** 7732-18-5
SS 586:2008: Not classified
Weight-% 15**Formaldehyde****CAS NUMBER:** 50-00-0
SS 586:2008: Not classified
Weight-% < 0.1**Recommended Use** Carrier. Pigment, matting agent, additives for papers, paints, varnishes, etc.**Uses advised against** None known.**Company:** J.M. Huber Corporation
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SECTION 2: Hazards identification

Classification	Singapore Standard SS 586:2008: Not Classified
GHS Classification	This product is not classified as hazardous according to the UN GHS guideline and labeling is not required
Hazards identification	
Physical Hazard	Not classified.
Health Hazards	Not classified
Environmental Hazard	Not classified.
2.2. Label elements	
Symbols/Pictograms	None
Signal Word	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. See Section 13: DISPOSAL CONSIDERATIONS.
2.3. Other hazards	No information available.

SECTION 3: Composition/information on ingredients

Pure substance/mixture

Mixture

Chemical Name	CAS Number	TSCA: United States	EU REACH registration number	SS 586:2008:	Weight-%
Urea, polymer with formaldehyde	9011-05-6	A	Exempt	Not classified	~85
Water	7732-18-5	A	Exempt	Not classified	15
Formaldehyde	50-00-0	A	01-2119488953-20-xx xx	Not classified	< 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

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

Storage:

Keep container tightly closed in a dry and well-ventilated place

SECTION 8. Exposure controls/personal precautions**Formaldehyde**

Singapore

0.3 ppm
0.37 mg/m³**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 Protection**

Wear safety glasses with side shields (or goggles)

Skin and Body Protection

Use suitable protective clothing, gloves and footwear, selected with regard for use conditions and exposure.

Hand Protection

Impervious gloves: chemical resistant EN 420

Respiratory Protection:In case of exposure to high levels of airborne dust, wear a respirator
EN 149, P2 half masks.**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice

Environmental Exposure

This product does not present any particular risk for the environment.
Check the appropriate national and local regulations. Prevent entry into sewers and waterways.

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:	--

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Lower flammability limit:	--
Vapor Pressure	Not applicable
Vapor Pressure	Not applicable
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	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/m³ 4- hour Rat

Formaldehyde

ACGIH Group 2A - Probably Carcinogenic to Humans
OSHA Potential cancer hazard
IARC Group 1 - Carcinogenic to Humans
NTP (National Toxicology Program) Known - Known Carcinogen

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

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

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)

TDG -Canada Not regulated
DOT Not regulated

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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) (9)-1835 (ISHL)	KE-35175	N	N	Y	Y	Y	A
Water	7732-18-5	231-791-2	Y	Y	Y	ENCS	KE-35400	Y	55-1-06023	Y	Y	Y	A
Formaldehyde	50-00-0	200-001-8	Y	Y	Y	(2)-482 (ENCS) 2-(8)-379 (ISHL)	KE-17074	Y	55-1-03933	Y	Y	Y	A

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

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

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Germany

Urea, polymer with formaldehyde

WGK Classification (AwSV) 3777 WGK: 1

15.2. Chemical safety assessment

A Chemical Safety Assessment is not required for this substance

SECTION 16: Other information

Prepared by	Huber Engineered Materials Global Regulatory Affairs email: regulatory.affairs@huber.com
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) EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification DOT (Department of Transportation) OSHA (Occupational Safety and Health Administration of the US Department of Labor) TWA (Time-Weighted Average) Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) 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) Land transport (ADR/RID) 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)
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