HUBER | MARTINSWERK

Safety Data Sheet

Malaysia CLASS Regulation, 2013
GHS (Globally Harmonized System)

Issue Date 15/Dec/2022 **Revision Number** 1.5.3
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

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

Pure substance/mixture Mixture

Urea, polymer with formaldehyde
CAS Number 9011-05-6
Weight-% ~85
Water
CAS Number 7732-18-5
Weight-% 15
Formaldehyde
CAS Number 50-00-0
Weight-% < 0.1

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:
J.M. Huber India Private Limited
754, Jhagadia Industrial Estate, GIDC
Taluka Jhagadia, Dist Bharuch 393 110
Telephone: +91 - 2645-226081
Telefax +91 - 2645-226082

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

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture Mixture

Chemical Name	CAS Number	TSCA: United States	EU REACH registration number	Weight-%
Urea, polymer with formaldehyde	9011-05-6	A	Exempt	~85
Water	7732-18-5	A	Exempt	15
Formaldehyde	50-00-0	A	01-2119488953-20-xxxx	< 0.1

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

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.
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.
Notes to Physician	Treat symptomatically.
4.2. Most important symptoms and effects, both acute and delayed	Inhalation of dust may cause irritation of the respiratory system. Eye irritation.
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.

5. FIRE-FIGHTING 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.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid dust formation. 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.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits

Urea, polymer with formaldehyde

NIOSH	Not established
ACGIH	Not established
OSHA	Not established

Formaldehyde

NIOSH	IDLH: 20 ppm Ceiling: 0.1 ppm 15 min TWA: 0.016 ppm
ACGIH	TLV (TWA): 5ppm Ceiling: 0.3 ppm
OSHA	TWA: 0.75 ppm

Biological Limit Values	None
Recommended monitoring procedures	Refer also to national guidance documents for information on currently recommended monitoring procedures

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	Wear suitable gloves.
Respiratory Protection	In case of inadequate ventilation wear respiratory protection.
Thermal hazards	Wear suitable protective clothing.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.
Environmental Exposure Controls	Dispose of in accordance with local regulations.

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
Boiling Point / Boiling Range	Not applicable
Flash Point	> 200 °C.
Evaporation Rate	No data available.
Flammability (solid, gas)	Non-combustible
Upper flammability limit:	
Lower flammability limit:	
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Relative Density	ca 1.47 (20°C)
Water Solubility	practically insoluble
Solubility in other solvents	No information available
Partition coefficient	Not applicable

Autoignition Temperature	No information available
Decomposition Temperature	> 200 °C
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%

9.2. Other information

None known

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

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

11.1. Information on toxicological effects

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.

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity .

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. Other adverse effects No information available

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

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

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 (AIIC)	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) (9)-1835 (ISHL)	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	01-2119488953-20-xxxx	Y	Y	Y	(2)-482 (ENCS) 2-(8)-379 (ISHL)	KE-17074	Y	Y	Y	Y	A

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

16. OTHER INFORMATION

Prepared by Huber Engineered Materials Global Regulatory Affairs
email: regulatory.affairs@huber.com.

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

Physical Hazard Not classified

Health Hazards Not classified

Environmental Hazard Not classified

Labeling

Symbols/Pictograms None

Signal Word 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