HUBER | MARTINSWERK

Safety Data Sheet

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

Japan-JIS Z 7253:2019
Occupational Safety and Health Act
GHS (Globally Harmonized System)

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
Weight-% ~85

Water
CAS Number 7732-18-5
Weight-% 15

Formaldehyde
CAS Number 50-00-0
Weight-% < 0.1

Recommended Use Carrier Pigment, matting agent, additives for papers, paints, varnishes, etc.

Uses advised against None known

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2. HAZARD IDENTIFICATION

Japan GHS Classification
Physical Hazards Not classified

Health Hazard Not classified

Environmental Hazards Not classified

GHS label elements
Symbols/Pictograms None

Signal Word None

Hazard statements Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Precautionary Statements

Prevention
Do not handle until all safety precautions have been read and understood
Employ good industrial hygiene practice
Do not breathe dust

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
Store away from incompatible materials.
Keep in a dry place

Disposal Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture Mixture

Chemical Name	CAS Number	Japan	Japan GHS Classification	EU REACH registration number	Weight-%
Urea, polymer with formaldehyde	9011-05-6	(7)-576 (ENCS) (9)-1835 (ISHL)		Exempt	~85
Water	7732-18-5	ENCS		Exempt	15
Formaldehyde	50-00-0	(2)-482 (ENCS) 2-(8)-379 (ISHL)		01-2119488953-20-xx xx	< 0.1

4. FIRST AID MEASURES

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF ON SKIN:
Wash with plenty of soap and water
Take off contaminated clothing and wash before reuse

IF IN EYES:
In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
Call a physician if irritation develops and persists

If swallowed: Rinse mouth thoroughly with water

Self-Protection of the First Aider Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water spray (fog) Foam Dry chemical Carbon dioxide (CO2)
Unsuitable Extinguishing Media	Do not use water jetstream
Special hazards arising from the substance or mixture	Avoid dust formation
Fire-fighting measures	In case of fire and/or explosion do not breathe fumes Water mist may be used to cool closed containers Keep unauthorized personnel away
Special Protective Equipment for Firefighters	Wear self-contained breathing apparatus and protective suit

6. ACCIDENTAL RELEASE MEASURES

Protective Equipment and Precautions for Firefighters	Avoid dust formation Ensure adequate ventilation Use personal protection recommended in Section 8 Avoid contact with eyes and skin. Wear suitable personal protection equipment. Keep unauthorized personnel away
Environmental Precautions	Keep out of drains, sewers, ditches and waterways Disposal considerations See section 13 for more information
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 Minimize use of water during clean-up Recommended filter type: High efficiency particulate air filter (HEPA filter)
Other Information	Not applicable

7. HANDLING AND STORAGE

Handling

Technical measures	Provide adequate ventilation as well as local exhaustion at critical locations Ensure adequate ventilation Use personal protection equipment See section 8 for more information
Advice on safe handling	Minimize dust generation and accumulation
Conditions for safe storage, including any incompatibilities	Keep containers tightly closed in a cool, well-ventilated place
Hygiene Measures	Wash hands thoroughly after handling

Storage

Packaging compatibilities Keep/store only in original container

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits Provide adequate ventilation as well as local exhaustion at critical locations

Engineering Measures Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment

Respiratory Protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn

Eye Protection Wear safety glasses with side shields (or goggles)

Skin and Body Protection Wear suitable protective clothing.
Chemical resistant apron.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice
Wash thoroughly after handling
Avoid contact with eyes and skin
Do not breathe dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Powder
Color	White
Odor	Odorless
Odor Threshold	None
Melting Point / Melting Range	Not applicable
Boiling Point	No data available
Freezing Point	No information available
Autoignition Temperature	No information available
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
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%
Vapor Pressure	No data available
Water Solubility	practically insoluble
Partition coefficient	Not applicable
Viscosity	No data available
Specific Gravity	No data available
Oxidizing Properties	No data available
Decomposition Temperature	> 200 °C
Flash Point	> 200 °C.
pH:	8.0 < / =0.3% Water
Melting point / Freezing point	Not applicable
Flammability (solid, gas)	Non-combustible

Vapor Pressure	Not applicable
Vapor Density	Not applicable
Relative Density	ca 1.47 (20°C)
Solubility in other solvents	No information available
Kinematic viscosity	Not applicable
Dynamic viscosity	Not applicable

Other information: None known

10. STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	None known
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	None known

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/m^3 4- hour Rat

Formaldehyde

ACGIH	Group 2A - Probably Carcinogenic to Humans
IARC	Group 1 - Carcinogenic to Humans

NTP (National Toxicology Program) Known - Known Carcinogen
OSHA Potential cancer hazard

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

Urea, polymer with formaldehyde

96-Hour LC50	> 1000 mg/l Fish
48-Hour EC50	> 1000 mg/L Daphnia Magna (Water Flea)

Ecotoxicity	Based on available data, the classification criteria are not met
Persistence and degradability	No data available
Bioaccumulation	No data available.
Mobility in soil	No data available
Hazardous to the ozone layer	No data available

13. DISPOSAL CONSIDERATIONS

Disposal	Dispose of in accordance with federal, state and local regulations
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal

14. TRANSPORT INFORMATION

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

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

Global Inventories

Pure substance/mixture Mixture

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

KECL - Korean Existing and Evaluated Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
TSCA (Toxic Substances Control Act)
DSL (Domestic Substance List)
NDSL (Non-Domestic Substances List)
Japan - ISHL Notifiable Substances
ENCS - Japan Existing and New Chemical Substances

16. OTHER INFORMATION

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Reason for Revision This SDS complies with the requirements of JIS Z 7250:2010 and JIS Z 7252:2009 (Japan)

Bibliography NITE GHS Classified list
Japan Society for occupational health (2015) recommendation of allowable concentrations, etc.
ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit

Value

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

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End of Safety Data Sheet