

MATERIAL SAFETY DATA SHEET

Redispersible Polymer Powder

Section 1 Chemical Product and Company Identification

Product Name: Redispersible Polymer Powder

Synonyms:Redispersible Emulsion Powder;Redispersible Latex Powder

CAS NO.:24937-78-8

Recommended Uses: Adhesive mortar, Surface mortar, Waterproof mortars, Self-leveling Cement

Company Identification: Kima Chemical Co.,Ltd

Section 2-Hazards Identification

GHS Classification: None

GHS Classification elements: None.

Other hazards: Risk of dust explosion.

Section 3-Composition, Information on Ingredients

Chemical characterization (preparation):

Copolymer of vinyl acetate and ethylene with mineral additives and protective colloid

CAS#	Chemical Name	Percent	EINECS/ELINCS
24937-78-8	Redispersible Polymer Powder	ca. 100	unlisted

Section 4-First Aid Measures

4.1 Description of first aid measures

General information:

Under ordinary workplace conditions: No special measures required.

After inhalation:

Provide fresh air.

After contact with the skin:

Wash with plenty of water or water and soap.

After contact with the eyes:

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

After swallowing:

If conscious, give several small portions of water to drink. Do not induce vomiting. In cases of sickness seek medical advice (show label if possible).

4.2 Most important symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section.

4.3 Indication of any immediate medical attention and special treatment needed

Due to its physical properties, may cause mechanical irritation. Product may agglutinate in the gastro-intestinal tract. Medical assistance should be sought. Depending on the symptoms, invasive measures may be necessary.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water spray, water mist , extinguishing powder , foam , carbon dioxide .

Extinguishing media which must not be used for safety reasons: water jet.

5.2 Special hazards arising from the substance or mixture At low oxygen level: acetic acid.

5.3 Advice for firefighters

Special protective equipment for fire fighting:

Use respiratory protection independent of recirculated air.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Do not breathe dust.

6.2 Environmental precautions

Cover any spilled material in accordance with regulations to prevent dispersal by wind.

6.3 Methods and material for containment and cleaning up

Take up mechanically and dispose of according to local/state/federal regulations.

Further information:

Eliminate all sources of ignition. Observe notes under section 7.

6.4 Reference to other sections

Relevant information in other sections have to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

Section 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling:

Avoid dust formation. Increased risk of slipping if substance comes into contact with water.

Precautions against fire and explosion:

Avoid formation of dust - dust may form explosive mixture with air. Avoid dust deposit, remove dust regularly. Take precautionary measures against electrostatic charging. Keep away from open flames, heat and sparks.

7.2 Conditions for safe storage, including any incompatibilities

Conditions for storage rooms and vessels:

Observe precautionary measures against dust explosion.

Advice for storage of incompatible materials:

Not applicable.

Further information for storage:

Not applicable.

7.3 Specific end use(s)

No data are available.

Section 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

8.2.1 Exposure in the work place limited and controlled

General protection and hygiene measures:

Do not breathe dust. Do not eat, drink or smoke when handling.

Personal protection equipment:

Respiratory protection

In case of dust formation: fine dust mask without protection rating.

Hand protection

Recommendation: rubber gloves.

Eye protection

Recommendation in case of dust formation: tight fitting protective goggles.

8.2.2 Exposure to the environment limited and controlled

Only introduce into water purification plants in diluted state. Do not introduce large amounts into purification plants.

8.3 Further information for system design and engineering measures

Observe regulations for protection against explosion.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General information:

Physical state / form.....: solid - powder

Colour: white to yellowish

Odour: odourless

Important information about the protection of health, safety and the environment:

Property:

Melting point / melting range: not applicable

Boiling point / boiling range: not applicable

Flash point.....: not applicable

Auto-ignition temperature.....: > 500 °C

Lower explosion limit (LEL): 40 g/m³

Vapor pressure.....: not applicable

Bulk density.....:400 - 550 kg/m³

Water solubility/miscibility.....: moderately soluble at 20 °C

pH-Value: 6-8 at 20 °C (500 g/l H₂O)

Viscosity (dynamic): not applicable

Section 10: Stability and reactivity

10.1 – 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Relevant information can possibly be found in other parts of this section.

10.4 Conditions to avoid

none known.

10.5 Incompatible materials

none known.

10.6 Hazardous decomposition products

If stored and handled properly: none known. At increased temperature: acetic acid.

Section 11: Toxicological information

1.1 Information on toxicological effects

11.1.1 Acute toxicity

Assessment:

Based on the available data acute toxic effects are not expected after single oral exposure.

11.1.2 Skin corrosion/irritation

Assessment:

Based on the available data a clinically relevant skin irritation hazard is not expected.

11.1.3 Serious eye damage / eye irritation

Assessment:

Based on the available data a clinically relevant eye irritation hazard is not expected.

11.1.4 Respiratory or skin sensitization

Assessment:

Based on the available data a sensitization reaction is not expected from this product.

11.1.5 Germ cell mutagenicity

Assessment:

Based on known data a significant mutagenic potential may be excluded.

11.1.6 Carcinogenicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.7 Reproductive toxicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.8 Specific target organ toxicity (single exposure)

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.9 Specific target organ toxicity (repeated exposure)

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.10 Aspiration hazard

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.11 Further toxicological information

During manufacture and use: No information on damage to health. Remark for the listed toxicological data: Evaluation in analogy to similar product.

Section 12-Ecological Information

Ecological Toxicity: Not available.

Persistence and degradability: Not available.

Mobility in soil: Not available.

Section 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Material

Recommendation:

Can be disposed of as household waste. Local legislation must be observed.

13.1.2 Uncleaned packaging

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully).

Containers may be recycled or re-used.

Observe local/state/federal regulations.

Recommended cleaning agent:

water.

Section 14: Transport information

14.1 – 14.4 UN number; UN proper shipping name; Transport hazard class(es); Packing group

Road ADR:

Valuation: Not regulated for transport

Railway RID:

Valuation: Not regulated for transport

Transport by sea IMDG-Code:

Valuation: Not regulated for transport

Air transport ICAO-TI/IATA-DGR:

Valuation: Not regulated for transport

14.5 Environmental hazards

Hazardous to the environment: no

14.6 Special precautions for user

Relevant information in other sections have to be considered.

Section 15: Regulatory information

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

National and local regulations must be observed.

15.2 Other international regulations

Details of international registration status:

Listed on or in accordance with the following inventories:

EINECS - Europe

ECL - Korea

ENCS - Japan

AICS - Australia

IECSC - China

DSL - Canada

PICCS - Philippines

TSCA - USA

Section 16: Other information

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