

# 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

Uses of commodity: Tile Adhesive, wall putty, Waterproof mortars, Self-leveling Cement

Company Identification: Kima Chemical Co.,Ltd

Tel: 0086-533-6281218

### 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.

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**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:**

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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/m<sup>3</sup>

Vapor pressure.....: not applicable

Bulk density.....:400 - 550 kg/m<sup>3</sup>

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

pH-Value .....: 6-8 at 20 °C (500 g/l H<sub>2</sub>O)

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:**

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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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