



---

# 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: NQ 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.



---

### **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/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:**



---

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**

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.