

Material Safety Data Sheet

Version 1

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CN/EN

Section 1-Chemical Product and Company Identification

Product Name: Re-dispersible Polymer Powder

Trade Name: RDP

Chemical characterization:Co-polymer based on vinyl acetate and ethylene,with additives

End Uses: Construction additives

Manufacturer : Huzhou Mizudahope Bioscience Co.,Ltd

Address : NO. 306-3 JIZHAOBEI ROAD, LINGHU TOWN, NANXUN DISTRICT,
HUZHOU, ZHEJIANG, CHINA

Tel:+86-572-2616888

Fax:+86-572-2616816

Section 2-Hazards Identification

NFPA

Health Hazard 1

Fire 1

Reactivity Hazard 0

HMIS

Health Hazard 1

Fire Hazard 1

Reactivity 0

Potential Health Effects:

Skin Contact:May cause skin irritation.

Eye Contact:May cause eyes irritation.

Inhalation:May cause respiratory irritation.

Ingestion:May cause digestive tract irritation.

Section 3-Composition, Information on Ingredients

Chemical characterization (preparation):

Components	CAS NO.	Weight%
Poly(ethylene-co-vinyl Acetate)	24937-78-8	≥85%
Light Calcium Carbonate	471-34-11	≤13%

Section 4-First Aid Measures

General information: No hazards which require special first aid measures.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops.

Eye Contact: Flush eye with water for 15 minutes, Get medical attention if irritation occurs. If symptoms persist, call a physician.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. In case of shortness of breath, give oxygen. Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Notes to Physician: Treat symptomatically.

Section 5-Firefighting measures

Flashpoint(°C/°F): Not applicable.

Lower Explosion Limit(%): No information available.

Upper Explosion Limit(%): No information available.

Autoignition Temperature(°C/°F): No information available.

Suitable Extinguishing Media: Water mist and foam.

Unsuitable Extinguishing Media: High volume water jet.

Hazardous Combustion Products: Carbon monoxide; Carbon dioxide.

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Further information: Standard procedure for chemical fires.

Section 6-Accidental release measures

Personal precautions: Avoid dust formation.

Environmental precautions: Try to prevent the material from entering drains or water courses.

Methods for Cleaning Up: Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

Section 7-Handling and storage

Handling

RDP-MSDS

Advice on safe handling: Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Do not breathe vapours/dust. Keep away from heat and sources of ignition. Avoid creating dust. Handle in accordance with good industrial hygiene and safety practice.

Advice on protection against fire and explosion: Provide appropriate exhaust ventilation at places where dust is formed. No sparking tools should be used. Take measures to prevent the build up of electrostatic charge.

Storage

Requirement for storage areas and containers: Keep in a dry place. Store at room temperature in the original container. Keep container tightly closed.

Advice on common storage: No special restrictions on storage with other products.

Other data: No decomposition if stored and applied as directed.

Section 8-Exposure controls/personal protection

Appropriate engineer controls

Provide appropriate exhaust ventilation at places where dust is formed.

Personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required. Use a dust respirator under conditions where exposure to the substance is apparent, and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

Skin and body protection: Long sleeved clothing. Chemical resistant apron. Gloves.

Eye protection: Safety glasses. Safety glasses with side-shields.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Wash hands before breaks and at the end of workday.

When using do not eat, drink or smoke.

Environmental exposure controls

General advice: Try to prevent the material from entering drains or water courses.

Section 9-Physical and chemical properties

General information:

Physical state / form : solid - powder

Colour : white

Odour : mild

Safety data

Melting point / melting range : Not applicable.

Boiling point / boiling range	:Not applicable.
Decomposition temperature	:Not applicable.
Flash point	: Not applicable.
Evaporation rate	: Not applicable.
Ignition temperature	: > 200 °C
Lower explosion limit	: 15,000mg/m ³
Upper explosion limit	:Not applicable.
Vapor pressure	: Not applicable.
Bulk density	:300 - 600 kg/m ³
Water solubility	: Dispersible
pH	: 5-9 at 20 °C (20%)
Viscosity (dynamic)	: Not applicable.
Viscosity (kinematic)	: Not applicable.
Dust explosion class	:St1
Explosive properties	:Dust may from explosive mixture in air.
Oxidizing properties	:Not classified as oxidising.

Section 10-Stability and Reactivity

Stability: Stable at normal conditions.

Conditions to avoid: None known.

Material to avoid: None known.

Hazardous decomposition products:No hazardous decomposition products are known.

Thermal decomposition:No data available.

Chemical stability:Stable under recommended storage conditions.

Hazardous reactions:Dust may form explosive mixture in air.

Section 11-Toxicological information

Product Information

Hazard summary

Skin:Product dust may be irritating to skin.

Eyes:Product dust may be irritating to eyes.

Inhalation:Product dust may be irritating to the respiratory system.

Ingestion:Gastrointestinal discomfort.

Toxicology Assessment

Further information:No further data available.

Test result

Acute oral toxicity: LD50: >5,000m/kg

Species:Rat

Method:Calculation method.

Section 12-Ecological Information

Ecotoxicology Assessment

Additional ecological information:None known.

Test result

Ecotoxicity effects

Toxicity to fish:No data available.

Elimination information

Bioaccumulation:Bioaccumulation is unlikely.

Mobility: No data available.

Biodegradability :Not readily biodegradable.

Further information on ecology

BOD:No data available.

Section 13-Disposal considerations

Product :Do not dispose of waste into sewer.

Do not contaminate ponds,waterways or ditches with chemical or used container.

Dispose of contents in accordance with local regulation.

Contaminated packaging:Empty remaining contents.

Dispose of as unused product.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14-Transport information

Informational Regulation

Road ADR: Not regulated for transport.

Railway RID: Not regulated for transport

Transport by sea IMDG-Code:Not regulated for transport

Air transport ICAO-TI/IATA-DGR: Not regulated for transport

Environmental hazards

Hazardous to the environment: no

Special precautions for user

Relevant information in other sections have to be considered.

Section 15-Regulatory information

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

National and local regulations must be observed.

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
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Section 16-Other information

Reference:Not available.

Other special consideration:Not available.

The information provided in this Safety Data Sheet is correct to the best of our knowledge formation and belief at the data 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 material or in any process,unless specified in the text.

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