



SAFETY DATA SHEET (SDS)

Emulsion Polymer (Water-Based Acrylic Emulsion)

Version: 1.0

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1. Identification

Product Name: Emulsion Polymer

Recommended Uses:

Water-based binder for paints, coatings, adhesives, construction chemicals, paper coatings, textile finishing and related industrial applications.

Supplier: Basekim Chemical Production Co. Ltd.

2. Hazard Identification

GHS Classification: Not classified as hazardous under normal industrial handling.

Signal Word: None

Hazard Statements:

Not classified.

Precautionary Statements

- Avoid contact with eyes.
- Wear protective gloves and safety glasses.
- Wash hands after handling.
- Prevent release into the environment.
- Spilled material may create slippery surfaces.



3. Composition

Component	Concentration
Water	30–60%
Acrylic/Vinyl Polymer Dispersion	40–70%
Surfactants & Additives	1–5%
Preservatives	<1%

Exact composition is proprietary.

4. First Aid Measures

Inhalation: Move to fresh air.

Skin Contact: Wash with soap and water.

Eye Contact: Flush with water for at least 15 minutes.

Ingestion: Rinse mouth. Do not induce vomiting. Seek medical advice if symptoms occur.

5. Fire Fighting Measures

The product is water-based and not readily flammable.

Suitable extinguishing media:

- Water spray
- Foam
- Dry chemical
- Carbon dioxide

Combustion may produce carbon oxides and irritating fumes.



6. Accidental Release Measures

Wear suitable protective equipment.

Absorb spill using sand or inert absorbent.

Collect into suitable containers for disposal.

Prevent entry into drains and waterways.

Clean spill area thoroughly because surfaces may become slippery.

7. Handling and Storage

Avoid prolonged contact with skin and eyes.

Keep container tightly closed.

Store between 5°C and 35°C.

Protect from freezing and direct sunlight.

Keep away from strong oxidizing agents.

8. Exposure Controls / Personal Protection

Engineering Controls: Normal ventilation.

Eye Protection: Safety glasses.

Hand Protection: Nitrile or PVC gloves.

Respiratory Protection: Normally not required.



9. Physical and Chemical Properties

Property	Typical Value
Appearance	White milky liquid
Odor	Mild
pH	7.0–9.0
Density	1.00–1.10 g/cm ³
Solubility	Dispersible in water
Flash Point	Not applicable (water-based)

10. Stability and Reactivity

Stable under normal storage conditions.

Avoid freezing and excessive heat.

Avoid contact with strong oxidizing agents.

Hazardous polymerization will not occur.

11. Toxicological Information

Low acute toxicity expected.

May cause mild eye irritation.

Prolonged skin contact may cause slight irritation.

Inhalation of spray mist may irritate the respiratory tract.



12. Ecological Information

Avoid uncontrolled release into waterways.

No significant environmental hazard is expected under normal use.

Dispose according to local environmental regulations.

13. Disposal Considerations

Dispose of product and contaminated packaging according to local regulations.

Do not discharge into drains or natural waterways.

14. Transport Information

UN Number: Not regulated

Transport Class: Not regulated

Packing Group: Not applicable

Marine Pollutant: No

15. Regulatory Information

Handle according to applicable national chemical regulations.

Refer to local regulations regarding storage, transport and disposal.



16. Other Information

This Safety Data Sheet applies to a typical water-based emulsion polymer intended for industrial applications.

The information provided is based on current technical knowledge and is intended as guidance for safe handling, storage and transportation. Product users should determine the suitability of the material for their specific applications.