



SAFETY DATA SHEET

Silicone Emulsion Defoamer

Version: 1.0

Issue date: 12 July 2026

Product code: To be assigned

1. Identification

Product name: Silicone Emulsion Defoamer

Recommended use: Industrial foam-control agent for wastewater treatment, coatings, textile, paper, detergent and chemical-processing applications.

Supplier: Basekim Chemical Production Co. Ltd.

Address: Ilkbahar, Cankaya, Ankara, Türkiye

Telephone: +90 312 514 70 55

2. Hazard Identification

GHS classification: Not classified as hazardous under normal conditions of industrial use.

Signal word: None

Hazard pictograms: None

Precautionary statements:

- Avoid contact with eyes.
- Wear protective gloves and safety glasses during handling.
- Wash hands after use.
- Spilled material may create a serious slip hazard.
- Prevent uncontrolled release into drains and waterways.
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3. Composition

Water-based silicone emulsion containing:

Component	Approximate content
Water	50–90%
Polydimethylsiloxane silicone fluid	5–40%
Silica, emulsifiers and additives	1–15%
Preservative	Less than 1%

Exact formulation is proprietary.

4. First-Aid Measures

Inhalation: Move the person to fresh air if mist has been inhaled. Seek medical advice if symptoms continue.

Skin contact: Wash with soap and water. Remove contaminated clothing.

Eye contact: Rinse carefully with clean water for at least 15 minutes. Seek medical attention if irritation continues.

Ingestion: Rinse mouth. Do not induce vomiting. Seek medical advice if a significant amount is swallowed.

5. Firefighting Measures

The product is water-based and is not expected to be flammable.

Use water spray, foam, dry powder or carbon dioxide according to the surrounding fire.

Thermal decomposition may produce carbon oxides, silicon oxides and irritating fumes.

Firefighters should wear suitable protective clothing and breathing equipment.



6. Accidental Release Measures

Wear gloves and eye protection.

Stop the leak where safe. Contain the spill with sand, earth or another inert absorbent.

Collect the material in a suitable labelled container.

Clean remaining residue with detergent and water.

Prevent entry into drains, soil and surface water.

Warning: Spilled product makes floors extremely slippery.

7. Handling and Storage

Avoid contact with eyes and prolonged skin contact.

Use in a ventilated area and avoid generating mist.

Keep the container closed when not in use.

Store in the original container in a cool, dry place.

Recommended storage temperature: 5–35°C.

Protect from freezing, excessive heat and direct sunlight.

Keep away from strong oxidising agents.

8. Exposure Controls and Personal Protection

Engineering controls: General workplace ventilation is normally sufficient.

Eye protection: Safety glasses or chemical splash goggles.

Hand protection: Nitrile, neoprene or PVC gloves.

Body protection: Standard protective work clothing.



Respiratory protection: Normally not required. Use suitable respiratory protection if spray or mist is generated.

Wash hands after handling.

9. Physical and Chemical Properties

Property	Typical value
Appearance	White or off-white liquid emulsion
Odour	Mild
pH	Approximately 5–9
Relative density	Approximately 0.95–1.05
Solubility	Dispersible in water
Flash point	Not expected to be flammable
Boiling point	Approximately 100°C
Viscosity	Product-grade dependent

10. Stability and Reactivity

Stable under recommended storage and handling conditions.

Avoid freezing, excessive heat and contamination.

Keep away from strong oxidising agents.

Hazardous polymerisation is not expected.

Thermal decomposition may produce carbon oxides, silicon oxides and irritating fumes.

11. Toxicological Information

The product is expected to have low acute toxicity.

Direct eye contact may cause temporary irritation.

Prolonged or repeated skin contact may cause mild irritation or dryness.

Inhalation of concentrated mist may irritate the respiratory tract.



Ingestion may cause nausea or gastrointestinal discomfort.

12. Ecological Information

No complete ecological test data are available.

The product is not expected to be classified as hazardous to the aquatic environment.

Large releases may affect wastewater-treatment processes or coat water surfaces.

Prevent uncontrolled discharge into the environment.

13. Disposal Considerations

Dispose of product waste, contaminated absorbent and packaging through an authorised waste contractor.

Do not discharge concentrated product into drains, waterways or soil.

Empty containers may retain residue and should not be reused for food or drinking water.

14. Transport Information

ADR/RID: Not regulated

IMDG: Not regulated

IATA: Not regulated

UN number: Not applicable

Transport hazard class: Not applicable

Packing group: Not applicable

Marine pollutant: No

Transport containers tightly closed, upright and protected from freezing and damage.



15. Regulatory Information

The product should be classified, labelled and supplied according to the chemical regulations applicable in the country of sale.

Chemical-inventory, REACH, CLP, UK REACH, TSCA and other market-specific statuses must be confirmed by the supplier or importer.

16. Other Information

This SDS applies to a conventional water-based silicone-emulsion defoamer.

The information is based on typical industry data and is intended for industrial health, safety and environmental guidance.

The manufacturer or responsible importer must confirm the exact formulation, hazard classification, test values, emergency telephone number and regulatory status before commercial publication.