



MATERIAL SAFETY DATA SHEET (MSDS) – DRILLING STARCH

Section 1: Identification

Product Name: Drilling Starch

Recommended Use: Fluid loss reducer for drilling fluids

Supplier: Basekim

Section 2: Hazard Identification

GHS Classification: Non-hazardous

Physical Hazards: None

Health Hazards:

- Dust may cause temporary irritation to eyes or respiratory system

Precautionary Statements:

- Avoid breathing dust
- Use adequate ventilation
- Wear dust mask if necessary

Section 3: Composition / Ingredients

Component	CAS Number	Percentage
Modified Starch (Natural Polymer)	9005-25-8	95–100%



Section 4: First-Aid Measures

Inhalation: Move to fresh air; seek medical attention if irritation persists.

Skin Contact: Wash with soap and water.

Eye Contact: Flush eyes with water for 10–15 minutes.

Ingestion: Non-toxic; rinse mouth and drink water.

Section 5: Fire-Fighting Measures

- Not flammable but dust may form combustible mixtures
- Suitable extinguishing agents: Water spray, foam, CO₂, dry powder
- Protective equipment: Standard fire gear

Section 6: Accidental Release Measures

- Avoid creating dust clouds
- Sweep up using non-sparking tools
- Dispose of waste according to local regulations



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Section 7: Handling & Storage

Handling:

- Use with adequate ventilation
- Avoid dust generation

Storage:

- Store in tightly closed bags
- Keep in cool, dry area

Section 8: Exposure Controls / Personal Protection

Item	Recommendation
Respiratory Protection	Dust mask (P2) if dust present
Eye Protection	Safety goggles
Gloves	Not required but recommended
Ventilation	Local exhaust ventilation

Section 9: Physical & Chemical Properties

Property	Value
Appearance	Fine powder
Color	Off-white
Odor	Mild / None
pH	8–11
Flash Point	Not applicable



Property	Value
Solubility	Dispersible in water

Section 10: Stability & Reactivity

- Stable under normal conditions
- Avoid strong oxidizers
- Thermal decomposition may produce CO and CO₂

Section 11: Toxicological Information

- Non-toxic and biodegradable
- Not carcinogenic
- Mild irritation possible from dust

Section 12: Ecological Information

- Biodegradable
- Non-hazardous to soil and aquatic life

Section 13: Disposal Considerations

- Dispose in accordance with local environmental regulations
- Non-hazardous waste



Section 14: Transport Information

- Not regulated as a dangerous good
- UN Number: Not applicable
- ADR / IMDG / IATA: Non-hazardous

Section 15: Regulatory Information

- Complies with API and general industry standards
- No special labeling required