

Drilling Purpose Modified Starch

1. Identification of the substance/preparation and company

Trade name

Supplier

Supplier

BES Kimya San. Tic. Ltd.

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www.beschemical.com

2. Composition/information on ingredients

Chemical characterization

Modified Potato Starch Compound 99% (on dry matter)

Protectol TOE 1% (on dry matter)

3. Hazards identifications

None known

4. First aid measures

First aid measures / inhalation

sufficient ventilation with fresh air

First aid measures / swallowing

dilute with water

First aid measures/ eye contact

S 25: avoid contact with eyes

First aid measures/ skin contact

S 24: avoid contact with skin, rinse immediately with water

Medical information

product contains max.1,8% sodium hydroxide, irritant

5. Fire-fighting measures

Suitable extinguishing media

all about, water gives glue formation

Extinguishing media that should not be used

none

Special exposure hazards arising from

the substance or preparation itself,

combustion products or resulting gases

CO/CO2 by combustion

Special protective equipment for firefighters

Protective cloth

Breathing apparatus

6. Accidental release measures

Personal precautions

avoid contact with skin, defatty behaviour

Environmental precautions

keep away from river, high solubility
high COD/BOD-value

Methods for cleaning

Collect in dry state for normal disposal

7. Handling and storage

Handling

avoid dusting conditions
S 16: keep away from sources of ignition. No smoking

Storage

S 7/8: keep container tightly closed and dry

Keep away from humidity, water

8. Exposure Controls/personal protection

Respiratory protection

S 22: do not breathe dust

Hand protection

S 37: wear suitable gloves

Eye protection

S 39: wear eye/face protection

Industrial hygiene

avoid contact with the product

9. Physical and chemical properties

Appearance and relevant safety data

<i>Form</i>	fine granule	
<i>Colour</i>	yellow-white	
<i>Odour</i>	special	
<i>pH-value</i>	9,0 - 12,0	
<i>Bulk density</i>	600 - 750 g/l	at 20°C
<i>Solubility</i>	completely	at 20°C
	completely	at 80°C
<i>Viscosity</i>	800 - 1600 mPa.s	
<i>Solvent content</i>	12,0 - 16,0 %	
<i>Solvent disposal</i>	drying	
<i>Ignition quality</i>	fine dust	
<i>Ignition temp</i>	440°C.	(Godbart-Geenwald)
<i>Explosions limits</i>	LEG: 60 gm2	

10. Stability and reactivity

Protect against S 16: keep away from sources of ignition-no smoking

Hazardous reactions

none, keep away from water

Hazardous decomposition products

none

11. Toxicological information

by proper handling and usage according to the procedures the product will not cause any reactions that can cause acute toxicity hazards.

12. Ecological information

Methodology OECD-test (302 B)

Analytical method decrease from COD/TOC

Elimination rate above 80% after seven days

Toxicity in water solutions of product gives high COD/BOD-values

Certification good biological degradation

COD-value 1250 mg O₂/g product

BOD-value 550 mg O₂/g product

LC50 600.000 ppm

13. Advise on disposal

Disposal no. 19901, starch mud

Normal disposal or combustion

Packaging: paper bags used for paper recycling, no cleaning necessary

14. Transport information

The product does not constitute a hazardous substance in national/international road, rail, sea and air transport

15. Regulatory information

Labeling

The product does not require a hazard warning label

in accordance with EC directives on dangerous substances

16. Other informations

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legal valid relationship.