



De Bentonietfabriek B.V.

Ampèreweg 17 | 3442 AB Woerden | +31 348 44 14 99 | debentonietfabriek.com

Description

Bentoniet - HV is a modified bentonite.

Application

Bentoniet - HV can be used in the same applications as a basic bentonite with less product needed to achieve similar rheological properties and drilling performance. An important function of a drilling fluid is the transport of cuttings, the more solids (read more bentonite) added in the base drilling fluid the lower the amount of drilled solids evacuated.

Dosage

40 - 45kg/m³

Rheology

- | | |
|---------------------|-------------------------------|
| • Plastic Viscosity | 12 – 14 CP |
| • Yield Point | 23 – 25 lb/100ft ² |
| • March funnel | 55 – 60 seconds |
| • Fluid loss | <15 ml/30 min |

Packaging

1000 kg big bag
25 kg bags

Revision date: 09-01-2018

*The above concentrations and resulting rheological values are indicative, conditions may vary and the information given is to be used as a guideline only.



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EU SAFETY DATA SHEET In accordance with 91/155/EWG

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Product name Bentoniet - HV

1. Material/preparation and company designation

- Product name Bentoniet - HV
- Manufacturer/Supplier
De Bentoniet Fabriek BV
Ampereweg 17
3442 AB Woerden
Tel: +31 348 44 14 99

2. Composition/details of components

- **Chemical characteristics**
- **Description:** mixture of the following listed materials
- **Dangerous contents:**
- | CAS No. | Description |
|------------|------------------|
| 1302-78-9 | Bentonite |
| 39421-75-5 | Modified Polymer |
- **Additional information:** none

3. Possible dangers

- **Danger designation:** none
- **Special information concerning danger to humans or the environment:** none
- **Classification system:**
The classification corresponds to the current EU lists, but is supplemented by information from technical literature and company information.

4. First aid measures

- **General information:**
If symptoms occur, or if in doubt, seek medical help
- **On inhalation:**
Ensure a source of fresh air, in case of difficulty, seek medical help
- **On contact with the skin:**
Wash with water and soap, rinse well
- **On contact with the eyes:**
Keep eyelids open and rinse with copious amounts of clean, running water. Consult doctor
- **If swallowed:**
Wash mouth out and drink plenty of water. If patient continues to complain, consult doctor.



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5. Fire fighting measures

- **Suitable extinguishant:**
The product itself does not burn. Determine fire extinguisher measures to suit environment
- **Unsuitable extinguishants for safety reasons**
Jet of water
- **Special danger due to the material, its combustion products or released gases:**
No details
- **Special protective equipment:**
No special measures required.

6. Measures for unintentional release

- **Human related preventive measures:**
Avoid the formation of dust
When mixed with water the product creates slippery surfaces
- **Environmental measures**
Do not allow product to flow into water conduits, surface water or ground water.
- **Procedures for cleaning/removal:**
Collect dried material mechanically
Supply recovered material or waste in suitable containers

7. Handling and storage

- **Handling**
- **Advice on safe handling**
Efficient dust removal:
Use only in well-ventilated areas
- **Advice on protection against fire and explosion**
No special measures required
- **Storage**
- **Requirements for warehouses and containers:**
No special measures required
- **Advice on storage with other materials**
Do not store with oxidants
- **Further advice on storage conditions**
Keep containers tightly shut. Store in a cool, dry place
- **Storage class**
- **VbF class:** none

8. Exposure and personal protective equipment

- **Components with work place related restrictions that must be monitored:**

CAS No.	Description	%	Type	Value	Unit
	General dust limitation value		MAK	6 F	mg/m ³



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- **Additional information**

The basis for this is the lists drawn up when the document was created

- **Personal protective equipment**

- **General protection and hygiene measures:**

The general protective measures for handling chemicals should be observed.

Keep away from, foodstuffs, drinks, and feedstuffs.

Clean skin thoroughly after work and before breaks

- **Breathing protection**

wear breathing protection in dusty conditions.

- **Hand protection**

wear neoprene or nitrile protective gloves.

- **Eye protection**

wear tightly fitting, dust-proof glasses.

9. Physical and chemical characteristics

- **Form:** Powdery
- **Colour:** greyish/yellowish
- **Smell:** no smell

		Value/Range	Unit	Method
• Change of state				
• Melting point/melting range:		not determined		
• Boiling point/boiling range :		not determined		
• Flash point		not used		
• Ignition temperature :		not flammable material		
• Decomposition temperature :		no information		
• Self ignition temperature :		The product cannot self-ignite		
• Danger of explosion		There is no danger of explosion from the product		
• Vapour pressure :	at 20°C	not determined		
• Density :	at 20°C	2.3-2.6	kg/l	
• Solubility in/miscible with water		insoluble		
• PH value :	at 20°C	not determined		
• Granule size :		not determined		

10. Stability and reactivity

- **Thermal decomposition/conditions to be avoided**
No decomposition if used according to instructions
- **Materials to be avoided** Oxidants
- **Dangerous reactions:** No known dangerous reactions
- **Dangerous decomposition products**
None if used according to instructions and stored correctly

11. Toxicological information

- **Acute toxicity**
- **Primary irritation effect**
- **Skin:** No irritation effect
- **Eyes:** No irritation effect
- **Sensitisation:** No known sensitisation effect
- **Further toxicological information**
According to the current version of EC listings the material does not have to be registered .



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12. Ecological information

- **Information on elimination:** (persistence and decomposition)
- **Other information:**
In general, it does not represent a danger to water. Concentrated sludge of clay minerals can have a detrimental effect on water organisms in natural waterways.
- **Eco-toxic effects**
- **Aquatic toxicity**

Type of test	Effective concentration	Method	Evaluation
Not determined			
- **General Information:**
Do not allow product to flow into water conduits, surface water or ground water.
- **Water danger class**
- **WGK:** In general it does not pollute water

13. Information on disposal

- **Product**
- **Recommendation:**
Do not dispose of with household rubbish. Do not allow to enter water conduits.
Must be disposed of according to local regulations
- **European waste catalogue:**
01 00 00 Waste from prospecting for and extracting and processing and further processing of minerals as well as stone and soil.
01 04 00 Waste from physical and chemical processing
01 04 03 Course and fine dusts
- **Unclean packaging:**
- **Recommendation:**
Must be disposed of according to local regulations

14. Transport regulations

- **Land transport ADR/RID and GGVS/GGVE (cross border/inland):**
- **ADR/RID-GGVS/E class:**
- **Transport by ocean-going ship IMDG/GGVSee::**
IMDG/GGVSee class:

Air transport ICAO-TI and IATA-DGR:
ICAO/IATA class:

15. Regulations

- **Identification according to EEC directives**
The general protective measures for handling chemicals should be observed.
According to EU directives/GevStoffV (Dangerous Substances Decree) the product does not have to be identified
- **National regulations:**
- **Classification according to VbF:** None
- **Water pollution class:**
WGK: In general it does not pollute water

16. Other information

- The details are based on the current state of our knowledge. They do not represent an assurance of product suitability and are not the basis for any legal relationship.
- **Data sheet area,** see point 1