



## Material: SODIUM BENTONITE FOR FOUNDRY, DRILLS

### MATERIAL SAFETY DATA SHEET

#### Section I. Identification of the Substance and of the Company

Product Name	Sodium Bentonite for Foundry, Drills
Distributor:	<b>GritSablare</b>
Headquarter:	10 Eliza Zamfirescu Leonida Street, Bucharest
Storage & Logistic:	Constanța Seaport, Gate 2, SORENA Platform, Constanța, Romania
Phone:	(+4) 0722.279.481
Email:	comercialgritsablare@gmail.com
Website:	www.gritsablare.ro

#### Section II. Physical and Chemical Properties

	PREMIUM Bentonite Argentina	SUPER-BOND Bentonite India
<b>PHYSICAL PROPERTIES:</b>		
Green Compression Strength:	13,0 min (N/cm <sup>2</sup> )	1100 to 1800 gram/cm <sup>2</sup>
Wet Tensile Strength:	0,31 min (N/cm <sup>2</sup> )	> 0.35 to < 0.50 N/cm <sup>2</sup>
Methylene Blue Adsorption, original (mL /0,5g):	56 min.	-
Methylene Blue Adsorption, 550 o.C (mL /0,5g):	42 min.	-
Methylen Blue Value (MBV):	-	410 Min
Thermal Stability (%):	75 min.	-
Swelling:	40 min. (mL/2,0g)	33 - 36 (2 gm / 100 ml)
Moisture (%):	08 - 12	12% Max
Retention #200 (%):	08 max	-
Compactability (%):	47 +/- 1	-
pH:	6,6 - 7,8	8 - 10,5

	<b>PREMIUM Bentonite Argentina</b>	<b>SUPER-BOND Bentonite India</b>
Gelling Time at 10% (min):	-	0 - 60 seconds
Gel Formation Index:	-	90 - 100
Loss on Ignition (LOI):	-	< 10 %
<b>CHEMICAL COMPOSITION (%)</b>		
SiO <sub>2</sub> :	57,8	45 - 55
Al <sub>2</sub> O <sub>3</sub> :	18	14 - 19
Fe <sub>2</sub> O <sub>3</sub> :	4,41	11 - 19
TiO <sub>2</sub> :	0,22	0,8 - 4
CaO:	0,99	0,7 - 2,4
MgO:	2,78	1,9 - 3,6
Na <sub>2</sub> O:	2,91	1,6 - 3,2
K <sub>2</sub> O:	0,39	0,12 - 0,3
MnO:	<0,10	-
P.F.:	11,8	-

### Section III. Fire and Explosion Hazard Information

Without explosion hazard.

### Section IV. Stability and Reactivity

Chemical Stability Stable

### Section V. Health Hazards Data

Potential Health Effects

Eye: No hazard

Skin: No hazard

Ingestion: No hazard

### Section VI. First Aid Measures

No Hazard

### Section VII. Exposure Controls

Engineering Controls Stable

## **Section VIII. Personal Protection**

---

Use with protection equipment.

## **Section IX. Handling**

---

Normal running.

## **Section X. Storage**

---

The product must be kept dry.

## **Section XI. Transport Information**

---

Transport using tarpaulin utility vehicle or utility van.

## **Disclaimer/Statement of Liability**

The information in this MSDS was obtained from sources that are believed to be reliable; however, the information is provided without any representation or warranty, express or implied, regarding its accuracy or correctness. The conditions or methods of handling, storage, use, and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use or disposal of this product.