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# Montmorillonite Clay

NS6130-09-907

Purity  
**>99%**  
CAS No.  
**1318-93-0**

Clay mineral is an important material available in nature. Montmorillonite (MMT) belongs to the smectite clay group. Montmorillonite has the characteristics of water absorption, suspension, dispersion, cohesion and thixotropy.

Montmorillonite is used in the oil drilling industry as a component of drilling mud, making the mud slurry viscous, which helps in keeping the drill bit cool and removing drilled solids. It is also used as a soil additive to hold soil water in drought-prone soils, used in the construction of earthen dams and levees, and to prevent the leakage of fluids. It is also used as a component of foundry sand and as a desiccant to remove moisture from air and gases. Montmorillonite is an excellent excipient in Pharmaceutical industries.

## Technical Specification:

Molecular Formula	Density	pH
$Al_2[(OH)_2   Si_4O_{10}] \cdot nH_2O$	1.7-2.7g/cm <sup>3</sup>	Averages 8.3

## Applications:

- ✓ Pharmaceutical industries.
- ✓ Used as thickener, binder etc
- ✓ Used in petroleum exploitation
- ✓ Chemical Coatings
- ✓ Rubber, plastics, bricks and floor tiles
- ✓ Catalysis, biomedical
- ✓ Fire retardancy



APS:  
**<80nm**



ISO 9001:2015  
CERTIFIED COMPANY



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