

STAR-SORB HDD



STAR-SORB HDD is a 25% wood fiber, 75% super absorbent polymer blend. The blend absorbs many times its weight in aqueous solutions, resulting in a stackable solid. STAR-SORB HDD is intended to solidify wet soil, general wastewaters and simple sludge for disposal to landfill or certified special waste site.

Application

STAR-SORB HDD should be added directly to the waste stream in small amounts as it absorbs the liquid portion of the waste. The amount of STAR SORB HDD added will depend on the amount of liquid in the waste to be solidified. Cuttings waste would require a lot less material than lower density liquid waste streams like spent drilling fluid.

Advantages

- STAR-SORB HDD is a high efficiency absorbent that expands in volume by less than 1 %
- Much more effective than fly ash, sawdust or recycled diaper absorbents
- When used properly, waste sludges will pass paint filter test (EPA9095)
- Solidified wastes can be incinerated
- Will not release entrapped liquids after freezing and subsequent thawing
- Aesthetically improved vs pure polymer products

Typical Usages

Amount of STAR-SORB HDD Added to Waste Material			
Care should be taken to evenly distribute the product into the waste stream for maximum contact.			
The active working time for STAR-SORB to reach its swelling capacity is approximately 10 - 15 minutes			
Dosages are dependent on the moisture of the waste			
Frequent small scale testing should be done to determine the optimal dosage			
Drilling Application	kg/m³	lb/bbl	lb/1000gal
Pure Water	17	6	143

Properties

Physical Appearance	Brown and white fibrous powder
Specific Gravity	1.4 - 1.8
Absorption Potential	200 g/g in DI water

Packaging

STAR-SORB HDD is packaged in 50-lb (22.7 kg) bags and 2000-lb (909 kg) supersacks