

STAR-SORB



STAR-SORB is a solid, granular superabsorbent polymer that swells and absorbs many times its weight in aqueous solutions. STAR-SORB is intended to solidify wet soil, general wastewaters and simple sludge for disposal to landfill or certified special waste site.

Application

STAR-SORB 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 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 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 (EPA 9095)
- Solidified wastes can be incinerated
- Will not release entrapped liquids after freezing and subsequent thawing

Typical Usages

Typical Amounts of STAR-SORB to be Added to Waste			
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 10-15minutes			
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	11.4	4	95

Properties

Physical Appearance	White, granular powder
Specific Gravity	0.8 - 1.0
Absorption potential	300 - 450 times in DI water

Packaging

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