

PRODUCT INFORMATION



SEAWAY MH 53S

Aqueous suspension of Magnesium Hydroxide

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Product Description

SEAWAY MH 53S is an aqueous suspension of Magnesium Hydroxide - manufactured from magnesium oxide applying its patent technology - 'Dry-Hydration' process. **SEAWAY MH 53S** is extremely stable aqueous suspension mainly developed for acid neutralization and desulfurization used for marine scrubber system (EGCS). Comparison with other MgO based Mg(OH)₂ suspension, SEAWAY MH 53S has much better desulfurization & acid neutralisation performance with faster reaction while maintaining excellent aqua-stability & dispersibility.

Physical properties

	Unit	Specification	Value	Remark
Aqueous suspension				
Content of Mg(OH) ₂	%	53.0%	53.0%	Aueous Suspension
Density	kg/m ³	-	1430	Aueous Suspension
Viscosity	cps	300	230	Aueous Suspension
On Dry solid basis				
Mg(OH) ₂	%	91.0%	92.5%	Dry Solid basis
CaO	%	3.0%	2.6%	Dry Solid basis
SiO ₂	%	2.5%	1.9%	Dry Solid basis
Fe ₂ O ₃	%	0.3%	0.18%	Dry Solid basis
SO ₄	%	0.01%	0.001%	Dry Solid basis
Cl	%	0.01%	0.001%	Dry Solid basis
Specific Surface Area	m ² /g	-	10	Dry Solid basis
Particle Size (D50)	µm	20	16	Dry Solid basis

Benefits

1. 15% better desulfurization performance compared to conventional MgO based slurry
2. Generating 28% lower sludge compared to conventional MgO based slurry
3. Excellent aqua-stability & dispersibility
4. Faster reaction after dosing the suspension
5. No foaming occurrence and no need of applying chemicals

Others

SEAWAY MH 53S is NOT brucite based magnesium hydroxide suspension - which is not appropriate for acid neutralization & desulfurization agent for marine scrubber system (EGCS) due to many technical issues.

Storage & Supply Package

Shelf life of Seaway MH 53S is 6 months upon arrival at customer's warehouse.

For long term storage, periodic agitation of the suspension is required in order to keep the suspension stable. Please avoid the storage temperature below freezing point 0 °C.

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