

scrubber flocculant S-pol

HIGH MOLECULAR FLOCCULANT FOR SLUDGE DEWATERING
FOR BLEED OFF WATER TREATMENT OF WET EXHAUST GAS SCRUBBERS

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DESCRIPTION

BLUTEC SCRUBBER FLOCCULANT S-POL is a highly effective anionic emulsion flocculant, with a medium degree of charge and high molecular weight.

BLUTEC SCRUBBER FLOCCULANT S-POL is designed for high rate dewatering of sludge from the bleed off watertreatment of wet exhaust gas scrubbers.

ADVANTAGE

- Economical to use – significantly lower dosage levels
- Fast settling rates
- Achieve high solids removal efficiencies
- Easily soluble in water; dissolves rapidly
- Effective over a wide pH range; does not alter the system pH

APPLICATIONS

Flocculation is the step where destabilized colloidal particles (or the particles formed during the coagulation step) are assembled into aggregates. The flocculation step can only operate on water/wastewater where the particles are already destabilized by Blutec Scrubber Coagulant S- mix. Blutec Scrubber Flocculant S-pol is used for dewatering of sludge from the bleed off water treatment system of the exhaust gas scrubber(s). The product is used as well for closed loop as open loop scrubber systems.

A high percentage Dry Solids after the dewatering equipment, reduces the amount of sludge to be landed or the be dried.

DIRECTIONS FOR USE

BLUTEC SCRUBBER FLOCCULANT S-POL has to be diluted to 0,5 - 1 % as stable stock solution. The stock solution has to be diluted 10 times to a working solution. Dilution has to be done by a slow running mixer or a recirculation pump. The flocculant has to be added to reversed osmosis water.

Avoid centrifugal pumps for polymer transfer, high sheer pumps will crack the molecular chains. BLUTEC SCRUBBER FLOCCULANT S-POL is dosed at a rate of 10 - 20 grams undiluted product per kg Dry Solids (DS). Best is to use a multipoint distribution header, distribution ring or pipe flocculator.

As an average a wet scrubber produces:

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| Dry Solids | 0,1 - 0,4 kg/MWh |
| Bleed off water | 0,1 - 0,3 m ³ /MWh |

Spilled polymer is very slippery and should be absorbed onto an inert material and collected prior to thoroughly flushing with hot water. Agitate the product well before use.

DOSAGE

See Direction for use.

PROPERTIES

| | |
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| Article number | 14510 |
| pH | 6-8 |
| Density | 1,0 g/cm ³ |
| Flashpoint | > 93°C |
| Physical state | Liquid, grey to white |
| Viscosity @ 25°C | 0,5% 400 cP/mPa.sec |
| | 1,0% 900 cP/mPa.sec |
| | 0,5 2300 cP/mPa.sec |