

CARETREAT SCRUBBER POL



High molecular flocculant for Sludge dewatering for bleed off water treatment of wet exhaust gas scrubbers

- High efficiency
- Easily soluble in water
- High dewatering rate
- Wide pH range

DESCRIPTION

Caretreat Scrubber Pol is a highly effective anionic emulsion flocculant, with a medium degree of charge and high molecular weight. Caretreat Scrubber 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 Caretreat Scrubber Mix. Caretreat Scrubber 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

Caretreat Scrubber 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.

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CARETREAT SCRUBBER POL

DIRECTIONS FOR USE (CONTINUED)

Avoid centrifugal pumps for polymer transfer, high sheer pumps will crack the molecular chains.

Caretreat Scrubber 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:

Dry Solids	0,1 - 0,4 kg/MWh
Bleed off water	0,1 - 0,3 m3/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

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)

For detailed information on safety and health, please refer to the Material Safety Data Sheet MSDS and/or product label.

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