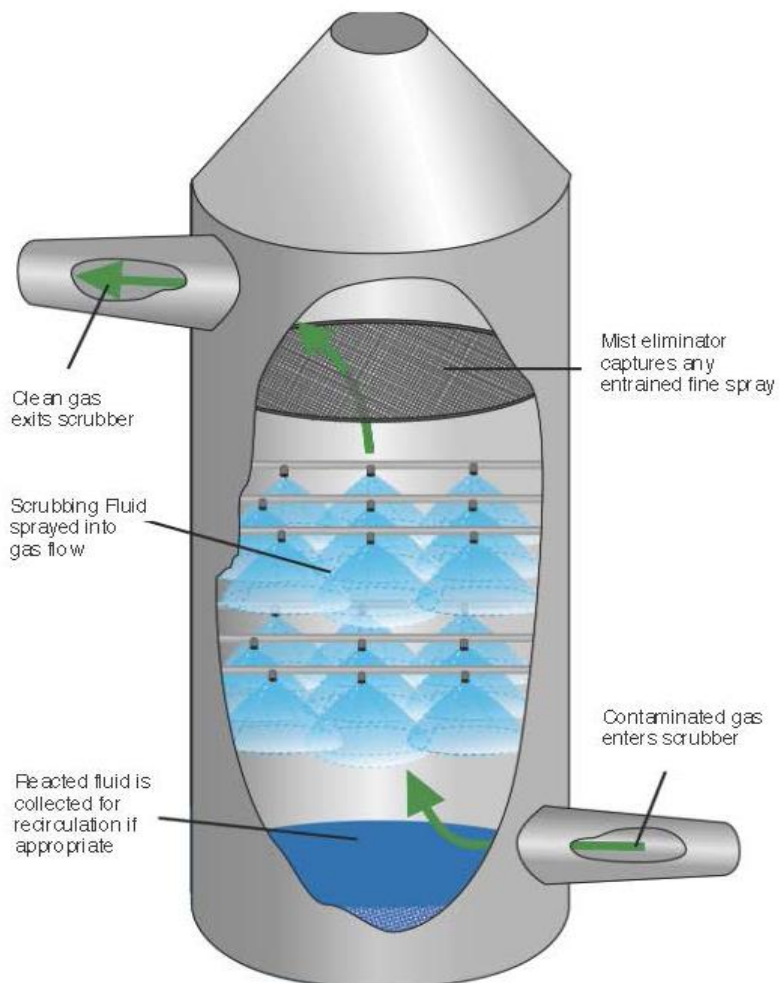


ERGOFITO IN ACTION

Give Nature What Nature Wants

Scrubber



ERGOFITO

www.ergofito.co.za

Tel: + 27 21 447 7114 / Email: ergofito@telkomsa.net

ERGOFITO WET SCRUBBER:

Biological H₂S or NH₃ removal is attractive because of low energy and the lack of chemicals usage, easy and automated operation, long life expectancy of system elements, potential for elemental sulfur recovery, and no solid waste stream requiring discharge or disposal.

In the biological process, **Ergofito** group of natural bacteria removes H₂S from the gas stream. The bacteria are capable of operating at low pH levels, however neutral pH. is recommended. To grow, they need oxygen/air, nutrients, and humidity.

Efficient removal of H₂S and/or NH₃ requires media with enough surface area to maintain a large population of **Ergofito** natural group of microbes.

Any wet scrubber utilized for Hydrogen Sulphide (H₂S) and/or Ammonia (NH₃) can be loaded with the recommended dosage described in this document.

APPLICATION:

To change from the existing system to **Ergofito** bacteria the following must be carried out:

- 1: Halt the existing system and disconnect it
- 2: Drain the scrubber totally
- 3: Fill scrubber with the required water volume
- 4: Fill the scrubber with the below dosage per cubic meter

Product	Quantity	How Often
Ergofito Scrubber A	6 Kg	Every 15 Days
Ergofito Scrubber B	6 Kg	Every 15 Days (Alternate)



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DILUTION:

Dilute **Ergofito Scrubber A/B** with 1:3 with water (1 liter of **Ergofito Scrubber** to 3 liters of water).

PUMP SELECTION:

The product is fairly thick, even after dilution; we recommend a peristaltic pump for high viscosity medium. The viscosity of **Ergofito Scrubber A/B** is about 10 000 to 15 000 centipoise (cP).

MSDS:

Please refer to the available MSDS sheet

ABATEMENT:

If the given application quantum is applied and the elimination of H₂S and/or NH₃ is only partial, ensure that the volume of the scrubber is adequate for the received quantum of H₂S and/or NH₃.

FLUSHING:

The scrubber should be flushed every fifteen days. All flushed liquid is beneficial to the environment and it advisable to recover it and use it in nature as a fertilizer. Please refer to **Ergofito** agricultural documentation for details.

ORGANIC ODOURS:

As long as the origin of the smell is organic or sulphuric, **Ergofito Scrubber's** group of natural bacteria will abate or eliminate all emissions from the scrubber. Please contact your **Ergofito** Supplier with a full analysis of the said emission for further precisions and protocols.



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