



SOLVAir® Breeze

SO₃

Trona

SO₂

Sodium Bicarbonate

HCl



We've compared our SOLVAir® Products for effective air pollution control...see how they stack up!

In recent tests, we compared SOLVAir Select 200 trona with Select 300 sodium bicarbonate for their effectiveness in removing SO₂, SO₃, HCl, Hg and HF in the smokestack.

While both sodium sorbents have a wide flue gas temperature window of 275 ~ 1500°F, sodium bicarbonate is more effective for SO₂, especially for cold side ESP where the reaction time is less. Our findings: over 90% of SO₂ can be removed with sodium bicarbonate.

Generally speaking, trona is the choice if the required SO₂ removal rate is less than 60%. Above this limit, sodium bicarbonate may be more economical.

For HCl and HF, both trona and sodium bicarbonate are extremely effective (up to 99%). And for SO₃ mitigation and consequent mercury removal, trona is recommended due to its relatively lower cost.

Contact Michael.wood@solvay.com for more information on these two effective SOLVAir products for air pollution control, or go to www.solvair.us for a complete portfolio of SOLVAir products.

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SOLVAir®
PRODUCTS

SOLVAir® Products for Air Pollution Control

SOLVAir Select 300 Sodium Bicarbonate

SOLVAir Select 200 Trona

SOLVAir Select 150 Trona

Don't miss Dr. Yougen Kong's presentation, "*Dry Sorbent Injection of Trona and Sodium Bicarbonate for SO₂ Mitigation*" at Air Quality VII 2009, October 25-29, in Arlington, VA.



A Newsletter
from SOLVAir
Products
Group, Solvay
Chemicals, Inc.
October 2009