



Results of in-house testing of Sphag Sorb with acids and bases

In-house testing was conducted, with the use of SPHAG SORB Industrial Absorbent, on the following concentrated acids and bases:

- ❖ Sulfuric Acid (*H₂SO₄*)
 - ❖ Hydrochloric Acid (*HCl*)
 - ❖ Nitric Acid (*HNO₃*)
 - ❖ Acetic Acid (*CH₃COOH*)
 - ❖ Potassium Hydroxide (*KOH*)
 - ❖ And Sodium Hydroxide (*NaOH*).
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- ❖ Tests were conducted outside of a normal laboratory setting and revealed that the loose *SPHAG SORB* absorbed all of the listed concentrated acids and bases with a small amount of reactivity consisting of fumes.
 - ❖ It is believed that the reactivity was caused by the small amount of moisture (*1 – 14%*) that is contained in the Sphagnum peat moss.
 - ❖ Testing was also conducted using the all-natural cotton material used in the pads, pillows and socks.
 - ❖ All concentrated acids and bases, except the Sulfuric Acid (*H₂SO₄*), were compatible with the material.
 - ❖ The Sulfuric Acid (*H₂SO₄*) reacted with the cotton material and caused the material to degrade rapidly.

(It is recommended that loose Sphag Sorb be used on Sulfuric Acid spills)