

Na-0101

Sodium Bi-Fluoride Tablets

BASF Na-0101 is a cylindrical adsorbent made out of Sodium Bi-Fluoride (NaHF₂ or NaF * HF). Due to its capacity it has been for many years an industry standard for the removal of certain fluoride components. It requires a pre-treatment before use, converting the bi-fluoride into the respective fluoride.

BASF Na-0101 is typically used for the removal of HF or other inorganic fluoride components from gas streams.

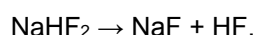
Na-0101 is available in tablets with a nominal diameter of 1/4". The height and diameter of the tablets are approximately equal.

Product Applications

1. The primary application is the removal of HF from gas streams. This is carried out by converting the sodium fluoride to sodium bi-fluoride. Due to the reversibility of the reaction, the adsorbent can be regenerated.
2. Other reactions based on reactions with or complexation by NaF.

Pre-Treatment

Before use, the sodium bifluoride needs to be converted to sodium fluoride according to the following reaction:



The conversion is typically carried out at temperatures of 400° C in the presence of a nitrogen stream.

Restrictions

Na-0101 is produced in the European Union and falls under export control regulations. Any customer interested in purchasing this product has to provide the appropriate end-user documentation.

Typical Chemical Properties

NaHF ₂	97 – 98 %
HF Capacity	31.3 – 31.6 %

Typical Physical Properties

Packed ABD, kg/l	Approx. 1.25
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* ABD – Average Bed Density

Packaging

- 210 l steel drums with 170 kg net
- 60 l steel drums with 50 kg net

About Us

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BASF - We create chemistry

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