

## Novichem Co.

*Your Chemical Partner*

P.O. Box: 15886-13941, Tehran / IR

Phone : +98-21-88329799 (Hunting)

Fax : +98-21-88329799

E-mail : info@novichem.co

Web : www.novichem.co

## SULPHAMIC ACID

**CAS #: 5329-14-6**

### DESCRIPTION

**Sulphamic Acid** ( $\text{H}_2\text{NSO}_3\text{H}$ ) also spelt sulfamic, is a white crystalline product commonly used as a de-scaling and cleaning agent. This colourless, water-soluble compound finds many applications in different industries.

### TECHNICAL SPECIFICATIONS

Appearance	: White crystals
Active content	: 99.5 % Min.
Sulfate as $\text{SO}_4$	: 0.02 % Max.
Iron	: 0.0001 % Max.
Heavy metals	: 0.0002 % Max.
Density (@20°C)	: 2.1 g/cm <sup>3</sup>
Packing	: 25 kg bags on pallets

### APPLICATIONS

**Sulphamic Acid** commonly used as a de-scaler and acidic cleaning agent typically for metals and ceramics and has many uses in the pharmaceutical industry. It is a replacement for hydrochloric acid for the removal of rust. In households and it is often used as a descaling agent in detergents used for removal of limescale. Other applications are:

- Catalyst for esterification process
- Dye and pigment manufacturing
- Herbicides
- Ingredient in Denture Tablets
- Coagulator for urea-formaldehyde resins
- Ingredient in fire extinguishing media
- Pulp and paper industry as a chloride stabilizer
- Synthesis of nitrous oxide by reaction with nitric acid

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