



## Product Information

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### Sulphamic Acid

#### GENERAL DESCRIPTION

Sulphamic Acid is a dry, non-volatile, non hygroscopic, odourless, white crystalline stable solid. It is soluble in water and forms a strong acidic aqueous solution that is comparable in acidity to the common strong mineral acids, but it can be safely handled and stored in a dry form.

#### FEATURES AND BENEFITS

Sulphamic Acid is used to reduce the pH of fluids requiring adjustment prior to disposal. Sulphamic Acid has many advantages over its alternatives, such as ease of handling, solubility and low corrosiveness.

#### RECOMMENDED TREATMENT

As with most highly reactive products, dry Sulphamic Acid should be added to water, rather than the opposite, to prevent a violent reaction from occurring.

At room temperature, dilute aqueous Sulphamic Acid is stable for a long period of time but hydrolysis occurs at elevated temperatures. Rubber gloves goggle (or face mask) and full clothing are recommended when mixing to avoid contact with unprotected skin. Contaminated clothing should be laundered before reuse.

#### TYPICAL PHYSICAL PROPERTIES

Appearance	white crystals
Odour	odourless
Molecular weight	97.1
Specific Gravity	2.126
Melting Point	205°C
Decomposition Temp	209°C
Bulk Density	<Loose: 1.0-1.2 Packed: 1.0-1.6
Dissociation Constant	$1.01 \times 10^{-1}$
Solubility in Water	22/100g@ 20°C
pH (0.1 N solution)	1.4

Note: WHMIS & TDG Regulated (See MSDS)

#### HANDLING

Sulphamic Acid is classified as an E controlled product under the WHMIS classification.

For specific precautions and handling see MSDS information.

#### AVAILABILITY

Sulphamic Acid is packaged in 25kg paper sacks and is available from HiTech Fluid Systems Ltd.