

Product Information

SULPHAMIC ACID

PRODUCT 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.

APPLICATION

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.

HANDLING

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	1.0 – 1.2, 1.0 – 1.6 (< Loose, Packed)
Dissociation Constant	1.01×10^{-1}
Solubility in Water H ₂ O @ 20°C	22gm/100gms
pH (0.1 N solution)	1.4

Note: WHMIS & TDG Regulated
(See MSDS)

AVAILABILITY

Sulphamic Acid is packaged in 25 kg paper sacks.