
SULPHAMIC ACID

DESCRIPTION Sulphamic Acid is a dry, non-volatile, non-hygroscopic, odourless, white crystalline stable solid. It is soluble in water and forms a strongly acidic aqueous solution that is comparable in acidity to the common strong mineral acids, (See Figure 1) but it can be safely handled and stored in the 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.

Physical Properties:

Molecular Weight:	97.1
Melting Point:	205 C
Decomposition Temp:	209 C
Specific Gravity:	2.126
Bulk Density < Loose, Packed:	1.0 - 1.2, 1.0 - 1.6
Dissociation Constant:	1.01×10^{-1}
Solubility in Water:	22 gm/100 gms H ₂ O @ 20 C
pH Value:	See Figure 1

HANDLING As with most highly reactive products dry Sulphamic Acid should always 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, goggles (or face mask) and full clothing are recommended when mixing to avoid contact with unprotected skin. Contaminated clothing should be laundered before reuse.

WHMIS Controlled (See MSDS)
TDG Regulated (See MSDS)
PACKAGING 25 kg sack

NOTE: See disclaimer for supplier responsibility.