SULPHAMIC ACID

DESCRIPTION

Sulphamic Acid is a dry, non-volatile, non-hygroscopic, 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, but it can be safely handled and stored in the dry form.

PROPERTIES

Physical		Chemical	
Appearance:	White crystalline odourless	Type:	Acid
Specific Gravity:	2.126	Solubility:	Soluble (22g/100g water @ 20ºC)
Moisture Content:	0.05%	pH:	1.18 (1% solution)
		Microtox:	Not applicable

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.

MIXING AND 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, full clothing, rubber apron and eye and face protection 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