

DESCRIPTION

To prevent the precipitation of ferric hydroxide in spent hydrochloric acid, a complexing agent can be added. Ferric hydroxide will begin to precipitate as a voluminous gelatinous material as the pH of hydrochloric acid rises above 2.2. However, ferrous hydroxide will not precipitate until above pH 7.7. Spent hydrochloric acid rarely has a pH over 5.5. The concentration of complexing agent required depends on the amount of ferric iron expected to be dissolved into the acid.

APPLICATION

Unlike **SFS-01, 03 and 04**, which complex the iron ions, **SFS-05** reduces the ferric iron to the more soluble ferrous form, thus preventing the precipitation of ferric hydroxide from spent acid.

Agent	Form	Temperature Limit (°F)	Concentration per 1000gal Acid per 1000ppm Ferric
SFS-01	White Powder	400	20lbs
SFS-03	White Powder	400	50lbs
SFS-04	Clear Liquid	400	10gals
SFS-05	Light Yellow Powder	400+	5lbs

PHYSICAL PROPERTIES

Refer to individual MSDS sheets.

PACKAGING

Liquid products supplied in 200L drums or 1000L IBCs

Powder products supplied in 25kg sacks

ADDITIONAL INFORMATION

None