HYDROXYLAMINE SULPHATE

Cas Number 10039-54-0

Other Names Oxammonium sulfate; Hydroxylamine, sulfate (2:1);Bis(hydroxylamine) sulfate; Hydroxylamine neutral sulfate; Bis(hydroxylammonium) sulphate

Formula $(NH_2OH)_2.H_2SO_4$ or $H_8N_2O_6S$

PRODUCT INTRODUCTION

Hydroxylamine sulphate (HAS) is a white crystalline compound containing nitrogen with the formula of $(NH_2OH)_2.H_2SO_4$ and is therefore an ammonia (NH_3) like compound. It is soluble in water and is hygroscopic in nature.

PHYSICAL AND CHEMICAL PROPERTIES

Hydroxylamine Sulfate (%), Min	99.2
Heavy Metals (Pb) (%), Max	0.0001
Iron (Fe) (%), Max	0.0001
Dry Reduction (%), Max	0.13
Residue on Ignition (%), Max	0.001
Chloride (Cl) (%), Max	0.0001
Appearance	White Crystal Powder

APPLICATIONS

- HAS is used as a viscosity stabilizer for natural rubber, and as a non-contaminating short-stopper for synthetic rubber.
- A derivative of HAS is also used as a vulcanizer. Its many properties, including selective reactivity to textile fiber functional groups, make it useful for applications such as dye improvers, textile discoloration inhibitors, and modifiers for acrylic fibers and cellulose.
- Other uses include resin improvers, UV stabilizers, and polymerization catalysts.
- Due to its ability to reduce hydroxylamine sulfate and form metal complexes, HAS is used as a metal surface treatment agent, precipitant for separating metal, metal extractant, and rust proofer.
- HAS is used as a raw material for herbicides, insecticides, germicides, acaricides and other products in the form of derivatives of hydroxamic acid, hydroxy uric acid, carbamate, alkyl hydroxylamine, oxadiazole, and organophosphorous compounds, among others.

PACKAGING OPTIONS

Drums

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