

# HYDROXYLAMINE HYDROCHLORIDE



CAS Number: 5470-11-1

Other Names: N,N-Diethylhydroxylamine, HAHCl,  
Hydroxylammonium Chloride, Hydroxylamine.

Formula:  $\text{ClH}_7\text{N}_2\text{O}_2$

## PRODUCT INTRODUCTION

Hydroxylammonium chloride is the hydrochloric acid salt of hydroxylamine. Soluble in water, alcohol, methanol and glycerol. Hygroscopic in nature.

## PHYSICAL AND CHEMICAL PROPERTIES

Assay	99.4
Sulfate ( $\text{SO}_4$ )	0.002
Heavy Metals (Pb)	0.0001
Fe	0.0001
Loss on Drying	0.20
Appearance	White Crystal Powder

## APPLICATIONS

- Hydroxylamine hydrochloride is a monooamine oxidase inhibitor.
- It is used to prepare oximes and hydroxamic acids in organic synthesis.
- It acts as a copolymerization inhibitor. It can be used to remove bromine and polybromide from a solution during extraction of lignin from lignocellulosic biomass.
- It is key starting material for the preparation of pharmaceuticals and agrochemicals.
- It plays a vital role in rubber and plastic industries as an antioxidant, a vulcanization accelerator and a radical scavenger.
- It is also used as a color stabilizer and emulsion additive in color films.

## PACKAGING OPTIONS

Drums

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