THIOUREA

CAS Number: 62-56-6

Other Names: Thiocarbamide; Thiourea; Pseudothiourea; Isothiourea; Sulourea; 2-Thiopseudourea; Sulfourea; Thiuronium

Formula: CH_4N_2S or H_2NCSNH_2

PRODUCT INTRODUCTION

Thiourea is the simplest member of the thiourea class, consisting of urea with the oxygen atom substituted by sulfur having chemical formula CH_4N_2S. Thiourea is a white crystalline solid, both naturally occurring and synthetic, that is soluble in water, ammonium thiocyanate solution and ethanol. When heated to decomposition, thiourea emits toxic fumes of nitrogen oxides and sulfur oxides.

PHYSICAL AND CHEMICAL PROPERTIES

Purity	99.03 %
Water	0.30 %
Ash Content	0.031 %
Sulforhadanide (with CNS^-)	< 0.02 %
Water Insoluble Matter	0.017 %
Melting Point	173.2 °C

APPLICATIONS

- Thiourea is a commercially important chemical that is mainly used to make other chemicals used in textile and wool processing and mineral ore processing.
- Thiourea is also used during the production of blueprint and photocopy paper, resins, dyes, drugs, cleaners, and other chemicals.
- It is an ingredient in some film development chemicals and silver polishes.
- It can also be found in hydraulic fracturing fluid.
- It was previously used as a drug to treat excessive thyroid gland activity.
- It is also used in a solution with tin(II) chloride as an electroless tin plating solution for copper printed circuit boards.

PACKAGING OPTIONS

Drums

To Get a Quote, Email On *marketing@sanjaychemindia.com*