

Technical Data Sheet

Carbohydrazide

Basic information

Product Name: Carbohydrazide
Alias: 1,3-Diaminourea, carbazide
CAS No. 497-18-7
Chemical formula: CH₆N₄O

Product introduction

The appearance of carbohydrazide is white fine short columnar crystal; When melting, it decomposes and is very soluble in water, and the aqueous solution is alkaline; Insoluble in ethanol, insoluble in alcohol, ether, chloroform and benzene; It is soluble, endothermic, non hygroscopic and has strong reducibility.

Specification

Item	Grade
Product Name	Carbohydrazide
Appearance	White fine short columnar crystal
Content	98.5% min
Melting point	150-158°C
Loss on drying	0.5% max
Insoluble matter in water	0.1% max
Flash point	155.2°C

Application

Carbohydrazide can be used as a component of rocket propellant, a stabilizer for color development and soap quality, an antioxidant for rubber, and a passivator for metals.

Carbohydrazide is a derivative of hydrazine, which has strong reducibility. It can be used as an intermediate in the manufacture of energetic materials. It can also be directly used as a component of rocket explosives and propellants.

As the deoxidizer of boiler water, Carbohydrazide is the most advanced material used for deoxidization of boiler water in the world.

It has low toxicity, high melting point and deoxidation efficiency, which is far greater than that used. It is an ideal product for safety and environmental protection.

In addition, Carbohydrazide can also be used as crosslinking agent for elastic fibers in chemical fiber industry. As a chemical raw material and chemical intermediate, it is widely used in medicine, herbicide, plant growth regulator, dye and other industries.

Storage

This product is non explosive and safe for transportation, storage and use. Store in a cool and dry place, with a normal validity of one year.

Document provided

TDS,COA,MSDS,B/L,Packing list.

Delivery information

Packing:25kg, 50kg cardboard barrels, plastic barrels, woven bags and other forms, or can be packaged according to the needs of users.

Dangerous goods transport No.: UN 3077.

HS Code:2928000090