

Technical Specification Data Sheet

5-Methyl-2H-Tetrazole (5-MTZ)

Product Name: 5-MTZ

CAS No. : 4076-36-2

Formula: C₂H₄N₄

Molecular Weight: 84.08 g/mol

2405 Version

一、 Performance & Application

Specially used as a corrosion inhibitor for copper and copper alloys in the semiconductor, microelectronics, display and printed circuit board industries, it also has corrosion inhibition effect on ferrous metals. By adsorption on the surface of copper to form a thin film, so as to protect and control the etching and corrosion of copper surface treatment process, but also can be used as a pharmaceutical intermediate for the synthesis of ceftam piamyl axel side chain.

二、 Technical Data

Items	Spec
Appearance (Color)	White crystal
Purity (HPLC)	>99.5%
Fusing Point (°C)	143-145°C
Moisture Content (%)	<0.2%

Metal Content Index (ICP-OES)

Metallic Element	Data
Fe	<5 ppm
Zn	<1 ppm
Mn	<1 ppm
Mg	<3ppm
Pb	<3 ppm
Cr	<1 ppm
Cu	<1 ppm
Ni	<1 ppm
Ca	<5ppm
Al	<5 ppm

Ba	<5 ppm
Na	<50 ppm

三、 Usage

Dissolve with alcohol or weak acid solution and add to the etching solution or cleaning solution, the concentration of this product in the system is recommended to be 0.5-20mg /L, the amount of addition is adjusted according to the specific use.

四、 Packing & Storage

Packed in composite plastic woven bags, placed in wooden drums, each bag net weight 25kg, beware of moisture, high temperature and sunlight, storage period of 12 months.