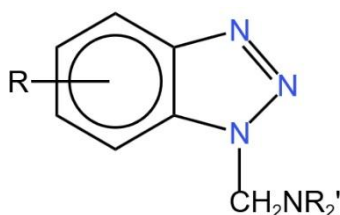


CSUM[®] 4200 is tolyltriazole derivative, which is soluble in water and ethylene glycol system. It is used as a metal deactivator and can replace solid benzotriazole and methyl benzotriazole. It can effectively protect yellow metal and prevent cobalt from spilling. It can provide corrosion protection for many metals when used in combination with carboxylate anti-rust agents such as ternary carboxylic acid.

CHEMICAL COMPOSITION



Tolyltriazole (TTA) derivative

CAS No.: 80584-88-9

TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	Amber clear liquid	Visual inspection
Active substance content, %	78.4	HPLC
Density at 20°C, g/cm ³	1.16	GB/T 1884
Viscosity at 40°C, mm ² /s	36.8	GB/T 265
Condensation point, °C	3.0	GB/T 510
Nitrogen content, %	17.6	NB/SH/T 0656

Note: The above analytical data are not specifications.

PERFORMANCE CHARACTERISTICS

- Water-soluble copper corrosion inhibitor
- Easy to operate
- Suitable substitute of benzotriazole and methyl benzotriazole
- Protect yellow metals and cobalt alloys from corrosion

APPLICATION

All water-based systems with pH>7, for example:

- Anti-icing fluid
- Synthetic metalworking fluids
- Semi-synthetic metalworking fluids

USAGE METHOD

- It is recommended to use it together with carboxylate antirust agents such as ternary carboxylic acid, which can play a synergistic role
- Recommended treat level: 0.1-0.5%

RELATIVE PRODUCTS

- IRGAMET 42

PACKAGING AND STORAGE

Packaging	25kg/200kg plastic drum (Net weight)
Storage conditions	It may crystallize when stored in an environment lower than 5℃. Long-term storage, the color will become darker, but does not affect the use of performance

HEADLING INFORMATION

Avoid contact with skin, eyes and clothing. Operate in accordance with good industrial health and safety practices. Please refer to material safety data sheet (MSDS) for additional handling information on **CSUM® 4200**.

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