

TRIETHYLENE TETRAMINE (TETA)



CAS Number: 112-24-3

Other Names: N,N'-Bis(2-aminoethyl)ethane-1,2-diamine; TETA;
Trien; Trientine (INN); Syprine

Formula: $C_6H_{18}N_4$

PRODUCT INTRODUCTION

Triethylene tetramine (TETA) is a polyazaalkane that is decane in which the carbon atoms at positions 1, 4, 7 and 10 are replaced by nitrogen. It appears as moderately viscous colorless liquid. It is miscible in water. It acts as a metal chelator

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear
Color (APHA)	10
Specific Gravity (20/20°C)	0.979
Boiling Point	277 °C
Drying Point	282 °C
Amine Value	1446 mgKOH/g
Water Content	0.03 %

APPLICATIONS

- Asphalt additives
- Corrosion inhibitors
- Epoxy curing agents
- Hydrocarbon purification
- Lube oil and fuel additives
- Mineral processing aids
- Polyamide resins
- Surfactants
- Textile additives
- TETA also acts as a copper (II)-selective chelator.

PACKAGING OPTIONS

Drums

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