Triethylenetetramine (TETA)

Triethylenetetramine (TETA) · RS-TETA · CAS 112-24-3 · Technical Data Sheet · RawSource · rawsource.com/product/triethylenetetramine/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
112-24-3	RS-TETA	Aliphatic polyamine · epoxy curing agent

Triethylenetetramine (TETA) is a hardener supplied as a clear, colorless or yellowish liquid. It is a strongly basic, medium-viscosity aliphatic amine used primarily as an epoxy resin curing agent, as a crosslinker and as a raw material for synthesizing oil field chemicals, textile auxiliaries and surfactants.

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GENERAL INFORMATION

Chemical name	Triethylenetetramine

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	Clear, no suspended matter	Conform
Purity (Content) (%)	≥ 98.0	99.31
Color (APHA)	≤ 60	40
Specific Gravity (20/20 °C)	0.979 – 0.984	0.980
Amine Value (mg KOH/g)	1,410 – 1,480	1,442
Boiling Range (°C)	IBP ≥ 260, DP ≤ 290	270 – 285
Moisture Content (%)	≤ 0.1	0.1

Each lot is released against this specification. Lot-specific results are reported on the Certificate of Analysis that ships with every delivery.

APPLICATIONS

- Epoxy curing agent for civil engineering, high-solids industrial coatings, adhesives and laminating formulations
- Production of polyamides
- Production of imidazolines
- Production of oil field chemicals, such as corrosion inhibitors

Applications are those stated for the product. Confirm suitability for each formulation by trials.

The information in this Technical Data Sheet is provided for technical evaluation and is believed to be accurate as of the issue date. Typical values are representative and do not constitute a warranty. Binding specifications are those stated on the lot-specific Certificate of Analysis and in the sales contract. Users should verify suitability for their own process and regulatory requirements. Refer to the Safety Data Sheet before handling. Questions: solutions@rawsource.com.