Dipropylenetriamine (DPTA)

Dipropylenetriamine (DPTA), content 99 % min · RS-DPTA_99 · CAS 56-18-8 · Technical Data Sheet · RawSource · rawsource.com/product/dipropylenetriamine-dpta/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
56-18-8	RS-DPTA_99	Aliphatic polyamine · epoxy curing agent

Dipropylenetriamine (DPTA) is a hardener supplied as a low-viscosity, colorless to light yellow transparent liquid with a strong ammonia odor. It is hygroscopic and absorbs water and carbon dioxide on exposure to air. It is structurally similar to diethylenetriamine, and its propylene-supported skeleton gives greater flexibility in cured materials, making it a building block for flexible polymer systems.

DISTRIBUTED BY
RawSource Inc.
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Product page: rawsource.com/product/dipropylenetriamine-dpta/
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GENERAL INFORMATION

Chemical name	Dipropylenetriamine
Molecular formula	$C_6H_{17}N_3$

TYPICAL PROPERTIES

Viscosity	15 mPa·s max @ 25 °C

Typical values are representative of the product and are not specifications.

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	Colorless to light yellow clear liquid	Conform
Content	99 % min	
Color, Pt-Co	30 max	1.52
Moisture	0.50 % max	0.12 %
Amine Value	1,250 mg KOH/g min	1,273 mg KOH/g

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

KEY FEATURES

- Low viscosity
- Greater flexibility in cured materials

APPLICATIONS

- Flexible epoxy curing agent for flexible coatings, flooring and structural adhesives
- Building block for flexible polymer systems
- Raw material for polyamide resins, textile auxiliaries and paper wet-strength agents
- Intermediate for synthetic biosorbent separation materials and water treatment chemicals
- Intermediate for dyes, rubber additives and emulsifiers

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

HANDLING REQUIREMENTS

- Store in a cool, dry, well-ventilated place.
- Keep away from open flames, sparks and heat sources.
- The storage temperature must not exceed 35 °C.
- Keep containers tightly sealed to prevent absorption of moisture and carbon dioxide.
- Do not mix or store with acids or strong oxidizing agents.

PACKAGING AND SHELF LIFE

- 190 kg steel drums
- IBC
- bulk
- Shelf life: 12 months from production date and under original sealed conditions.

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.