Diethyltoluenediamine

Diethyltoluenediamine · RS-DETDA · CAS 68479-98-1 · Technical Data Sheet · RawSource · rawsource.com/product/diethyltoluenediamine-detda/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
68479-98-1	RS-DETDA	Aromatic diamine · curing agent and chain extender

Diethyltoluenediamine is a liquid aromatic curing agent and chain extender, used mainly in polyurea and polyurethane systems. It is a light yellow transparent liquid. The 2,4-isomer content is 75 – 82 % and the 2,6-isomer content is 17 – 24 %.

DISTRIBUTED BY
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GENERAL INFORMATION

Chemical name	Diethyltoluenediamine
Molecular formula	$C_{11}H_{18}N_2$
Molecular weight	178.28 g/mol

TYPICAL PROPERTIES

Freezing Point	-9 °C

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

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	Light yellow transparent liquid	Conform
Color, Gardner	8 max	4
Assay	98 % min	99.32 %
2,4-DETDA	75 – 82 %	80.36 %
2,6-DETDA	17 – 24 %	18.96 %
Water Content	0.1 % max	0.07 %
TDA	0.1 % max	

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

KEY FEATURES

- Rapid curing
- Low viscosity

APPLICATIONS

- Reaction injection molding
- Spray polyurea elastomer processes
- Polyurethane and epoxy resin coatings for floors, external walls, roofs and bridges

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

HANDLING REQUIREMENTS

- Store in a dry, cool, well-ventilated area.

PACKAGING AND SHELF LIFE

- 1,000 kg IBC
- Bulk
- Shelf life: 12 months from production date.

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.