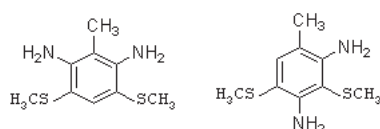


English Name	Dimethylthiotoluenediamine (DMTDA)
CAS No.	106264-79-3
Similar Product	U.S. Albemarle E300

Structure



Molecular formula	$C_9H_{14}N_2S_2$
Molecular weight	214.34
Initial boiling point $^{\circ}C$	200 (1.68mmHg)
Refractive index	1.659
Melting point/ freezing point $^{\circ}C$	4
Flash point $^{\circ}C$	163.4
Vapour pressure (kPa)	<0.0001
Relative density g/cm^3 at $25^{\circ}C$	1.206
Viscosity($20^{\circ}C$)	690
Vapour pressure	$mmHg \leq 0.01 (20^{\circ}C)$

Standard value

Property	Result
Appearance	Light yellow liquid
Dimethylthiotoluenediamine	$\geq 99\%$
Water content	$\leq 0.1\%$
Amine value (mg KOH/g)	525-535

Uses and applications

DMTDA is a new type of polyurethane elastomer curing crosslinking agent, equivalent to Ethacure-300. Mainly includes two kinds of isomers, 2,4-isomer and 2,6-isomer (The ratio is about 77~80% / 17~20%), compared with MOCA, it is low viscosity liquid under normal temperature, can be used in low temperature.

DMTDA is a low toxicity and environmental protection type liquid diamine chain extender, mainly used for polyurethane elastomer, RIM (reaction injection molding), SPUA (spray polyurea elastomer) and the adhesives. At the same time, it may be used as curing agent for epoxy resin, it has been widely used in polyurethane rollers, medical science, stamping and so on. In addition, it has a wide range of applications in the automobile, construction, mining, metal mining, textile, papermaking, printing. The curing speed of DMTDA is much slower than that of DETDA, which can be mixed with DETDA in different proportions, to adjust the curing speed to meet different requirements.

Packaging and transport

Packaging for 1000KG/IBC barrels, 200 kg drums or ISOTANK, the special packaging in accordance with the requirements of customers.

Storage

Stacked in a cool/ dry/ ventilated place, keep away from heat/ fire, to prevent the direct sunlight, to avoid high temperature, do not sharp object collision damage.

Shelf Life

24 months