Technical Data Sheet

MOCA-WH

Chemical Name: 4,4'-methylene-bis-(ortho-chloroaniline) (MBOCA)

CAS No.: 101-14-4

SPECIFICATIONS

Appearance	White needle crystal
Melting Point	102-108℃
Moisture	< 0.3%

PHYSICAL PROPERTIES

Bulk density (24°C)	1.44g/cm^3
Liquid density (107°C)	1.26 g/ml
Amine value	7.4 - 7.6 mmol/g
Color (Gardner)	<3
Water absorption tendency	None
Storage stability	Stable, decomposes above 200° C

SOLUBILITY

- Very soluble in Acetone, DMF, DMSO, MEK and THF.
- Soluble in Ethanol, Toluene and Benzene.
- Insoluble in water.

APPLICATIONS

- Curing agent for polyurethane elastomers and cast polyurethanes.
- Curing agent for epoxy or epoxy urethane resin.
- MOCA-WH is used for PU product that requires high hardness and wearability with light color.

FORMULATIONS

- MOCA -WH is usually used to cure prepolymers that are produced from TDI reacted with polyether or polyester polyol. The prepolymer normally contains
- NCO of 4.2 - 4.3 %. Pot life is usually 8 - 10 minutes.
- MOCA -WH will show a significant reduction in properties if heated for long periods of time at temperatures in excess of 121° C.

TOXICITY

- LD50 (Rats) 5000mg/kg.
- OSHA PEL 0.02ppm (8-hour TWA), ACGIH TLV 0.01ppm.
- MBOCA has been classified as a carcinogen since 1973, based upon test results with laboratory animals. In 1992, ACGIH, after reviewing existing information, continued the classification of MBOCA as a "Suspect Human Carcinogen".

STORAGE

- MOCA -WH should be stored in a dry location.

PACKAGING

- Net 40-kg carton drum with polyethylene liner.