

Technical Data Sheet

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NO. WHPU _ 0043

Product Brand: WANNATE® TDI-80

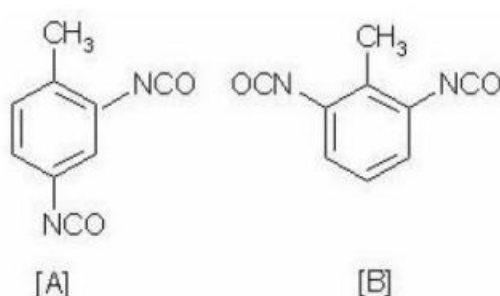
Version: V 2.0

Application

WANNATE® TDI-80 is a product of 2,4-toluene diisocyanate [A] and 2,6-toluene diisocyanate [B] mixed in 80:20 ratio. This product is mainly used in the production of polyurethane products.

WANNATE® TDI-80 is mainly used in: furniture, bedding and decoration, transportation, construction and other fields. The main products involve seats, mattresses, pillows, coatings, adhesives, sealants, elastomers, etc.

The structural formula of its main components is as follows:



Specification

Properties

Appearance: clear and transparent liquid, no visible mechanical impurities

Chroma: ≤ 15

TDI content/%: ≥ 99.5

Heterogeneity ratio (2,4-TDI content) /% : 79.0-81.0

Hydrolytic chlorine content/%: ≤ 0.0050

Acidity (as HCl) /% : ≤ 0.0015

Package(s)

210 kg Metal drum

Storage / Solubility

Due to WANNATE® TDI-80 has active chemical properties and is prone to react with water, generating insoluble ureas, the compound releases carbon dioxide, causing a drum, and the urea produced during the reaction can cause liquid turbidity and potentially block or damage filters, pumps, and pipelines. Therefore, during the storage process, it is necessary to ensure that the container is strictly dry and sealed, and filled with dry nitrogen for protection.

WANNATE® TDI-80 should be strictly sealed and stored at room temperature (18 °C~40 °C) in a well ventilated room. temperature

If the temperature is below 15 °C, the product will crystallize. Properly heating it to 50 °C can return it to the liquid state without any adverse impact on quality. Contact surface, the temperature should not exceed 80 °C. Due to the uneven proportion of the two isomers in the crystallization zone and liquid phase zone caused by the crystallization process, the product returning to the liquid state must be mixed to make it uniform. The opened bucket must be resealed after removing the product. If long-term storage is required, to be sealed with nitrogen gas.

Avoid long-term storage above 40 °C to avoid the formation of insoluble solids and increase viscosity.

Shelf Life

WANNATE® TDI-80 is sensitive to moisture and must be stored in tightly sealed container.

It can be stored for at least 12 months at temperatures between 0 and 30 °C.