

Lupranate® T80 TYPE 1 ISO

Toluene Diisocyanate

Lupranate® T80 toluene diisocyanate (TDI) is an 80% - 20% mixture of the 2,4 and 2,6 isomers of toluene diisocyanate. This product is used in the preparation of polyurethane foams, prepolymers and elastomers.

TYPICAL PROPERTIES

Appearance	clear to slightly yellow liquid
NCO Content, wt%	48.2
Viscosity @ 25 °C, cP	3
Nominal Functionality	2
Color, APHA maximum	15
Vapor Pressure @ 25 °C, mm Hg	0.025
Specific Gravity @ 25 °C, g/cm ³	1.22
Hydrolyzable chlorine, ppm	0.007 max
2,4' Isomer, wt%	80 ± 1
2,6' Isomer, wt%	20 ± 1



BASF Corporation is fully committed to the Responsible Care® initiative in the USA, Canada, and Mexico. For more information on Responsible Care® go to:

U.S.: www.basf.us/responsiblecare_usa

Canada: www.basf.us/responsiblecare_canada

México: www.basf.us/responsiblecare_mexico

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STORAGE

Store under a dry air (-20 °C dew point) or dry nitrogen blanket to exclude moisture. The most favorable storage temperature for Lupranate® T80 Type 1 Isocyanate is between 15.6 °C and 35 °C. Storage above 35 °C for extended periods may cause a change in product quality. Below 16 °C Lupranate® T80 Type 1 Isocyanate may begin to freeze. If freezing or partial freezing occurs slowly heat the product to 16-35 °C to re-liquefy. The product must be thoroughly mixed before using to ensure uniform isomer distribution and reactivity. The shelf life of Lupranate® T80 Type 1 Isocyanate is twelve months if the temperature is maintained at 15-30 °C and moisture is excluded.

SHIPPING INFORMATION

20,000-gallon tank cars, 4,500-gallon tank trucks and 55-gallon non-returnable steel drums are standard.

HAZARD STATEMENT

TDI products are classified as toxic if inhaled. It causes skin irritation and serious eye irritation. It may cause respiratory irritation. It may cause sensitization by inhalation and skin contact. It is suspected of causing cancer. It may cause damage to organs through prolonged or repeated inhalation exposure. Before processing the product, we recommend reading the safety data sheet. Labelling, transportation, storage, processing, waste treatment and disposal must comply with nation regulations. Occupational exposure limits are to be observed. To avoid accidents, the residual product in the drums must be handled with care. Any water or moisture which is allowed to enter the drum will react with the TDI and release carbon dioxide. Unless action is taken to prevent moisture entry or gas entrapment, the drums will become pressurized and may rupture. For further information please consult our "TDI Handbook".

IN CASE OF CHEMICAL EMERGENCY

Call CHEMTREC (800-424-9300) or BASF (800-832-HELP) day or night for assistance and information concerning spilled material, fire, exposure and other chemical accidents. Outside the U.S., call (703-527-3887).

Attention: This product is sold solely for use by industrial institutions. Refer to our Safety Data Sheet (SDS) regarding regulatory compliance, safety, hazards, spill procedures and disposal of this product. An SDS as well as additional information on BASF urethane chemicals may be obtained by visiting polyurethanes.basf.us.

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