

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

NCO content, wt%	48.2
Flash point, °F (COC)	270
Density @ 20°C, lbs/gal	10.2
Boiling point, 10 mm Hg, °F	248
Nominal functionality	2
Vapor Pressure @ 20°C, mm Hg	0.01
APHA Color, maximum	15
NCO content, wt. %	48.2
Freezing range, °C	53.6
2,4' Isomer, wt. %	80 ± 1
2,6' Isomer, wt. %	20 ± 1
Hydrolyzable chlorides, wt. %	0.007 max
Total acidity as HCl	0.002-0.005
Freezing point, °F	53.6
Density @20°C, lbs/gal	10.2
Molecular weight	174.2
Specific gravity 25°C/25°C	1.22
Assay, % by weight minimum	99.5



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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 Isocyanate is between 60°F and 95°F (15.6°C-35°C). Storage above 95°F for extended periods may cause a change in product quality. Below 60°F Lupranate® T80 Isocyanate may begin to freeze. If freezing or partial freezing occurs slowly heat the product to 60-95°F to re-liquefy. The product must be thoroughly mixed before using to ensure uniform isomer distribution and reactivity. The shelf life of Lupranate® T80 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.

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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