

TOLUENE DIISOCYANATE (TDI)



CAS Number: 584-84-9

Other Names: 2,4-Diisocyanato-1-methylbenzene;
Methyl phenylene diisocyanate

Formula: $C_9H_6N_2O_2$ or $CH_3C_6H_3(NCO)_2$

PRODUCT INTRODUCTION

Toluene Diisocyanate is a synthetic mixture of the 2,4- and 2,6-isomers. It appears as colorless to yellow or dark liquid or solid with a sweet, fruity, pungent odor. It is toxic and highly reactive organic compound.

PHYSICAL AND CHEMICAL PROPERTIES

Purity	99.8 %
Isomer Ratio (2,4-Isomer)	79.7 %
Isomer Ratio (2,6-Isomer)	20.3 %
Color	5 APHA
Acidity	3 ppm
Hydrolyzable Chlorine	29 ppm
Total Chlorine	51 ppm

APPLICATIONS

- Toluene Diisocyanate is an aromatic isocyanate that is produced for reaction with polyols to form polyurethanes.
- It is widely used in the production of polyester-based soft foam, high-bearing sponges, semi-rigid ester foam, and paint.

PACKAGING OPTIONS

Drums

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