

Scuranate® TDI

Polyurethane essentials

Our Scuranate® TDI range

- ➔ The essential aromatic polyurethane raw material for bedding, furniture and automotive
- ➔ Key component for adhesives, sealants, elastomers and coatings
- ➔ Four grades available tailored for different end-user needs
- ➔ Secure and reliable supply

The elements of success

You need a partner who can see the big picture when it comes to your products, your processes and your customers. Our experience and expertise in the special niches of organic chemistry, process technology and application development are at your service, providing you with a complete chain of solutions to enhance quality and profitability at every step.

Our versatile intermediates, an essential element of your winning formula, are specifically designed to add value and enhance end-product performance. Your solution to meeting the increasing demands for safer, lighter, more durable and environmentally friendly end-user products, begins here.

Innovation in everything we do

Innovation distinguishes every aspect of our business process. Developing smarter and safer solutions creates real value in new chemical applications. Focused innovation instills leadership and purpose in our business activities, improves internal processes and increases application and product competitiveness.

Delivering our promises globally

Our global presence provides you with reliable solutions and processes, consistent high quality, security of production and supply and delivery with precision. This commitment also means rapid response when product or application support is required and the very best in technical support.

Putting the care into chemicals

We take our responsibilities to heart and are committed to attentive, sustainable business practices. We minimize risks for our customers, our employees and the environment by working proactively to ensure safe products and processes.



The essential polyurethane component

TDA (Toluene diisocyanate) is an essential isocyanate used in the production of polyurethanes for flexible foam applications. TDI applications range from furniture, bedding and carpet underlay to transportation and packaging. TDI is also used in the manufacture of coatings, sealants, adhesives and elastomers.

Scuranate® TDI is manufactured in France at the Pont-de-Claix site.

Scuranate® T80

The two principal isomers of TDI are classified as 2,4-toluene diisocyanate and 2,6-toluene diisocyanate. Scuranate® T80 is a mixture of 80% 2,4-toluene diisocyanate and 20% 2,6-toluene diisocyanate.

Scuranate® T65

T65 is a mixture of 2,4-toluene diisocyanate and 2,6-toluene diisocyanate isomer with high content of the 2,6-isomer.

Scuranate® T100

T100 contains more than 99% of 2,4-toluene diisocyanate.

Scuranate® TX

Scuranate® TX is a mixture of the 2,4 and 2,6 isomers with a high concentration of 2,4 isomer.

Toxicology/Regulatory

TDI (as well as other isocyanates) are toxic and reactive chemicals, which require proper handling to ensure that they are used safely. Exposures by inhalation, skin contact or ingestion should be avoided. In particular, inhalation of vapors, aerosols, and dust should be avoided, since this can lead to irritation and in extreme cases to a reduction of lung function and/or sensitization. Users or handlers should obtain and carefully review a material safety data sheet (MSDS).

Additional information regarding the responsible management of empty TDI drums, as well as the loading/unloading, transportation and storage of TDI (bulk) should be reviewed in the Toluene Diisocyanate Handling Guide.

TDI	Applications						
	General purpose	High-load bearing	High resiliency	Industrial purpose	Cast elastomer	Paint coating	Adhesive binder
Scuranate® T80	•	•	•	•	•	•	•
Scuranate® T65		•	•	•			
Scuranate® T100					•	•	•
Scuranate® TX						•	•

TDI	Typical Properties					
	Chemical description	Specific gravity 25°C	Viscosity mPa.s 25°C	Hydrolysable chlorides %	Total acidity %	Color APHA
Scuranate® T80	TDI 80/20	1.22	3	<0.007	<0.004	<40
Scuranate® T65	TDI 68/32	1.22	3	<0.010	<0.005	<40
Scuranate® T100	2,4 TDI	1.22	3	<0.015	<0.013	<30
Scuranate® TX	TDI 95/5	1.22	3	<0.010	<0.0015	<40



Your winning formula

The Perstorp Group, a trusted world leader in specialty chemicals, places focused innovation at your fingertips. Our culture of performance builds on over 125 years of experience and represents a complete chain of solutions in organic chemistry, process technology and application development.

Matched to your business needs, our versatile intermediates enhance the quality, performance and profitability of your products and processes. Present in the aerospace, marine, coatings, chemicals, plastics, engineering and construction industries, they can also be found in automotive, agricultural, food, packaging, textile, paper and electronics applications.

Our chemistry is backed by reliable business practices and a global commitment to responsiveness and flexibility. Capacity and delivery security are ensured through strategic production plants in Asia, Europe and North and South America, as well as sales offices in all major markets. Likewise, we combine product and application assistance with the very best in technical support.

As we look to the future, we strive for the development of safer products and sustainable processes that reduce environmental impact. This principle of innovation and responsibility applies not only to our own business, but also to our work with yours. In fulfilling it, we partner with you to create a winning formula that benefits your business – as well as the people it serves.

Discover your winning formula at www.perstorp.com