

## PRODUCT OVERVIEW

### Toluene diisocyanate (TDI) :

TDI containing foams are used as cushioning material in application like e.g. furniture, bedding, seating or as carpet underlay and packaging. TDI is also used in the manufacture of coatings, sealants, adhesives and elastomers.

### Methylene Diphenyl Diisocyanate (MDI) :

We offer polymeric MDI products for a full range of low- to high-density semi-rigid foams, rigid foams, viscoelastic slab foam and structural RIM processing. They offer good resistance to heat distortion, and excellent strength properties at low densities.

### Polyether Polyols :

We supply polyether polyols designed for the production of polyurethane polymers which are employed in various technical and commercial applications. We offer a wide range of polyols for the production of flexible foams for furniture, mattress and automotive industries, rigid foams for construction and appliance manufacturing industries as well as polyols for CASE applications (Coatings, Adhesives, Sealants and Elastomers).

### Flame retardants (TCPP, TEP) :

TCPP is a flame retardant of low hydrolytic stability, used in polyurethane (PU) rigid and flexible foam, PVC, EVA and phenolics and epoxy resin.

The vast majority of TCPP is used in rigid polyurethane foams. It is also used in flexible polyurethane foams for furniture and its upholstery, principally in the United Kingdom and Ireland.

TCPP is added at various points in the polyurethane supply chain to final foam producers; to "system houses" who pre-blend and formulate ready-made systems; and to base polyol producers who may use it to reduce polyol viscosity/mobility. The use in rigid polyurethane foams may be further sub-divided into blocks and spray systems for building insulation and for refrigerator casings. Very small use of TCPP also exists in textile back-coating formulations and in certain coatings.

### N-, ISO-, CYCLO- pentane as a blowing agent :

Pentane is a hydrocarbon solvent that belongs to the family of paraffins. It plays a fundamental role in the production of polystyrene (PS) and polyurethane (PU) insulation foams, serving as a blowing agent that turns the raw plastic material into foam. A small quantity of pentane indirectly provides important performance characteristics to these foams: primarily, great thermal insulation properties.



## The One Stop Polyurethane Supplier

**ARPADIS is a One Stop Supplier of PU Raw Material Solutions.**

We supply **TDI, POLYMERIC & MONOMERIC MDI, MODIFIED MDI, POLYOLS, FLAME RETARDANTS, BLOWING AGENTS, SURFACTANTS** as well as **Otda**.

Our customers are polyol manufacturers, furniture, construction, insulation, spray foam, OCF, CASE, system houses, mining, foundry, wood based panel manufacturers and the Oil and Gas industries.

Our **customer-focused approach** and the **flexible attitude** which we adopt worldwide ensure that Arpadis is at the **cutting edge** of the Supply Chain working with major global producers and SMEs alike, but at the same time, responding to our environmental responsibilities by seeking alternative products and materials in order to meet the varying demands of our customers.

At Arpadis we believe **Efficiency** and **Innovation** belong together in the Supply Chain striving to find a better way to deliver value to our customers. Arpadis has tried to bring a fresh approach to the distribution market; we are ready for our future challenge.

# THE ONE STOP POLYURETHANE SUPPLIER

## Polyols

- Polyester Polyols
- Polyether Polyols
- Polymeric Polyols (10% ~ 45%)



## Toluene Diisocyanate (TDI)

- T65
- T80
- T97
- T100
- TM (TDI / PMDI blend)



## Methylene Diphenyl Diisocyanate (MDI)

- High Functionality MDI
- Modified MDI
- Polymeric MDI
- Pure MDI
- Precut



## Blowing Agents

- Cyclopentane
- Isopentane
- Methylene Chloride (MC)
- n-Pentane

## Flame Retardants

- Tris Chloroisopropyl phosphate (TCPP)
- Triethyl phosphate (TEP)

## Others

- Dibasic Esters (DBE)
- Ortho -Toluenediamine (o-TDA)
- Surfactants

## Technical Consultancy Available

### ARPADIS BENELUX NV

Antwerp, Belgium  
Tel: +32 3 206 9370  
Mail : [benelux@arpadis.com](mailto:benelux@arpadis.com)

### ARPADIS FRANCE SAS

Lille, France  
Tel: +33 3 20 68 93 11  
Mail: [france@arpadis.com](mailto:france@arpadis.com)

### ARPADIS UK LTD

Chester, United Kingdom  
Tel: +44 1244 661 666  
Mail: [uk@arpadis.com](mailto:uk@arpadis.com)

### ARPADIS DEUTSCHLAND GMBH

Essen, Germany  
Tel: +49 201 320 340  
Mail : [germany@arpadis.com](mailto:germany@arpadis.com)

### ARPADIS IMEAD DMCC

Dubai - UAE  
Tel: +971 444 84 322  
Mail: [dubai@arpadis.com](mailto:dubai@arpadis.com)

Furthermore we've an extensive presence in the MENA region (Middle East Northern Africa) with offices & warehouses in Casablanca (Morocco), Algiers (Algeria), Cairo (Egypt), Amman (Jordan) and Dubai (UAE), for more information refer to our website: [www.maskem.com](http://www.maskem.com)

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