



PolyUrethane Recycling Towards
a Smart Circular Economy

Deliverable

D3.7 Procedure to isolate TDA for TDI production and to recover the chemolysing agent for re-use

WP3 –Smart Chemolysis

Project Information

Grant Agreement n°	814543
Dates	1st January 2019 – 31st December 2022

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Publishable Summary

The hydrolysis of the carbamates confirmed nearly 100% conversion to TDA whilst sustaining the T80 isomer ratio. The quality of the recovered TDA was high. A phosgenation trial was carried out, leading to a high yield TDI.

The used glycol could be obtained at high yield and purity. The recovered agent was reused in the chemolysis step leading to the same recycled polyol quality.