

Chemical and Process Safety

It has been 10 years since we began these special issues devoted to chemical and process safety and, in particular, the safe scale-up of chemical processes. This year we have 12 papers in addition to our usual literature review, the Safety Notables, highlighting articles from the last 12 months which are relevant to the theme of process safety. The 12 papers comprise a wide range of topics including handling azides; reactions in DMSO; Ritter, Friedel–Crafts, and Diels–Alder reactions; nitrations, diazotisation; and oxime reduction. Processes to make a variety of intermediates and final products are discussed, including the safe synthesis of losartan, arylpyrazoles, and impurities in a commercial explosive, TATB. Finally an unusual paper examines a science- and safety-based approach to the use of enzymes in API manufacture to ensure drug quality and patent safety.

I thank all the contributors to this special issue, especially those volunteers who carry out the annual review. This year we welcome Stephen Shaw to the team. He was originally at Amgen when he accepted the assignment but has since moved to Ash Stevens, Inc. Not only has he contributed to the safety highlights, he has also contributed a paper.

Trevor Laird, Editor

■ AUTHOR INFORMATION

Corresponding Author

trevor@scientificupdate.co.uk

Notes

Views expressed in this editorial are those of the author and not necessarily the views of the ACS.

Special Issue: Safety of Chemical Processes 12

Published: November 30, 2012

