

TABLE OF CONTENTS

Licensing

1: Key Elements of Green Chemistry

- 1.1: Introduction to Green Chemistry
- 1.2: Green Chemistry Concepts
- 1.3: Case Study
- 1.4: Conclusions and Review

2: Life-Cycle Analysis

- 2.1: Introduction to Life Cycles
- 2.2: LCA/LCIA Concepts
- 2.3: Conclusions and Review

3: Hazards

- 3.1: Introduction to Hazards of Chemistry
- 3.2: Hazard Concepts
- 3.3: Case Study - Badger Army Ammunition Plant
- 3.4: Green Technologies for Safer Chemical Production
- 3.5: Conclusions and Review Questions

4: Alternative Solvents

- 4.1: Introduction to Solvents
- 4.2: Solvent Concepts
- 4.3: Solvent Alternatives
- 4.4: Conclusions and Review

5: Alternative Reagents

- 5.1: Introduction to Reagents
- 5.2: Reagent Concepts
- 5.3: Specific Replacements
- 5.4: Conclusions and Review

6: Reaction Types, Design, and Efficiency

- 6.1: Introduction to Reactions
- 6.2: Reaction Concepts
- 6.3: Reaction Design Concepts
- 6.4: Conclusions and Review

Index

Glossary

Detailed Licensing