ASTM International Technical Committee E27 on Hazard Potential of Chemicals

Scope
The scope of the Committee shall be the development and standardization of physical and chemical test methods, nomenclature, and the promotion of knowledge and stimulation of research bearing on the hazard potential of chemicals related to fire explosion, and uncontrolled energy release. Assessment of hazard potential does not include human health-related effects.

The area of interest to the Committee is the development of test procedures for determining the degree of susceptibility of materials to ignition or release of energy under varying industrial conditions. This includes experimental procedures and estimation methods.

The work of this Committee will be coordinated with other ASTM committees and other organizations having mutual interest.

Technical Subcommittees
- E27.01 Editorial and Nomenclature
- E27.02 Thermal Stability and Condensed Phases
- E27.04 Flammability and Ignitability of Chemicals
- E27.05 Explosibility and Ignitability of Dust Clouds
- E27.06 Awards
- E27.07 Estimation Methods
- E27.90 Executive

Key Documents
- DS51G Computer Program for Chemical Thermodynamic and Energy Release Evaluation -- CHETAH® Version 10.0
- E659 Standard Test Method for Autoignition Temperature of Chemicals

Quick Facts
Established 1967
Number of Members 70+
Number of Standards 21
Global Participation
12 Countries represented
The standards are available in Volume 14.05 in the Annual Book of ASTM Standards
Meetings E27 meets twice each year, in May and November

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