Handbook of Fillers, Extenders, and Diluents, Second Edition

Description: Use this comprehensive resource and find answers to questions like:

- What fillers are safe to use in tablets and capsules for pharmaceuticals?
- What fillers are available for a tire application?
- What extenders are suitable for a specific paint or coating application?
- What diluents will satisfy requirements for an adhesive formulation?

This is the first update of this important reference in nine years. It describes more than 3000 trade names, generic chemicals, and materials that serve the dual functions of lowering the overall cost and improving the effectiveness of the end products to which they are added.

The distinction between fillers, extenders, and diluents varies from industry to industry. In the paper industry they are used to improve brightness, increase opacity, and reduce porosity. In paints, often referred to as inerts, extenders, and supplemental pigments, they are used to increase color, hiding power, weatherability and control viscosity. Fillers in plastics and polymers impart impact strength, lubricity, electrical and thermal properties. Diluents, besides supplying bulk to detergents, cosmetics, and pharmaceuticals, act to adjust dose or concentration. In general, they share essential commercial functions—increasing the bulk weight of products, diluting expensive materials, and/or acting as delivery systems for active ingredients. This group of products, therefore, is treated in this single reference source.

Handbook of Fillers, Extenders, and Diluents, Second Edition will be of special interest to:

- Chemical Engineers
- Chemical Formulators
- Plant Managers
- Sales Personnel
- Project Planners
- Government Regulators
- Safety Officers
- Market Researchers
- Patent & Trademark Specialists
- Purchasing Agents
- Chemical Brokers
- Industrial & Technical Libraries
- Consultants

Hard Copy and CD-ROM Versions:

- More than 2200 trade name products
- More than 650 generic products with 3000 fully cross-referenced synonyms (hypertext in software)
- More than 4,100 Functional/Application Categories in a detailed index format
- CAS, EINECS/ELINCS number and Chemical Formula index
- More than 2,400 International Manufacturers

The CD-Rom version of this report includes:

- Full-text Search with Boolean operator support
- 17 browseable keyword indexes
- Hyperlinks enable instant access/previews of other reference topics
- Web and Email access to Chemical Manufacturers
- Click and Go Table of Contents: Left Pane Explorer-like icons enable you to instantly go to a section of this title or any other installed Synapse Chemlib product.
PART I—Trade Name Reference

This section provides an alphabetical listing of more than 2200 trade name chemicals/materials used as fillers, extenders, and diluents. Each entry includes the manufacturer's name; chemical/material description; its detailed functions and applications in all aspects of industry; physical properties, such as form, molecular weight, density, solubility, boiling point, cloud point, flash point, pH, freezing point, activity; toxicology, storage, precautions, etc.

CD-ROM Version Software features: Full-text Search with Boolean operator support
- Keyword Indexes: Comprehensive Index, Trade Name X-Ref, Generic Chemical X-Ref, Manufacturers X-Ref, CAS X-Ref, EINECS/ELINCS X-Ref, Functional/Applications X-Ref., Environmental X-Ref., Toxicity and Precautions X-Ref.
- Hyperlinking: Trade names to MFG-Branch and Generic chemicals section; Trade name manufacturers to Manufacturers web sites

PART II—Chemical/Material Monographs with Trade Name Cross-Reference

This section covers more than 650 chemicals/materials used as fillers, extenders, and diluents. Each entry contains information including the following: CAS (Chemical Abstract Service), EINECS/ELINCS (European Inventory of Existing Commercial Chemical Substances/European List of Notified Chemical Substances), and UN/DOT reference numbers, classification, definition, chemical synonyms, empirical and molecular formulas, properties, toxicology, precautions, storage, uses, use level, regulatory details, manufacturers and distributors. All chemical/material synonyms are cross-referenced back to the main entry. These entries are followed by a listing of the trade name products that are either equivalent to the monograph entry or contain it as one or more of its ingredients.

CD-ROM Version Software features: Full-text Search with Boolean operator support
- Keyword Indexes: Comprehensive Index, Trade Name X-Ref, Generic Chemical X-Ref, Manufacturers X-Ref, CAS X-Ref, EINECS/ELINCS X-Ref, Functional/Applications X-Ref., Environmental X-Ref., Toxicity and Precautions X-Ref., Molecular Formula Dir.
- Hyperlinking: Trade names to Trade name Section, MFG-Branch section, all cross-references (synonyms) to main entries; Generic manufacturers to Manufacturers web sites

PART III—Functional/Application Classification Index

This section, with more than 4,100 categories, is a powerful tool for locating materials based on their function and/or industrial application area. By searching for key functional words such as filler, reinforcement, diluent, bulking agents, extender, etc., combined with a specific application area, such as polystyrene, tires, cosmetics, coatings, etc., the user is directed to the trade names and/or chemicals and materials that have that specific functional/application attribute. The generic component names are distinguished from the trade names by italic type.

CD-ROM Version Software features: Full-text Search with Boolean operator support
- Hyperlinking: Trade names to Trade name Section, Generics to Generic Chemicals

PART IV—Manufacturers Directory

An alphabetical listing of the international chemical manufacturers of the trade name products and chemical components is provided in this section. Each entry includes branch locations and contact information. Wherever possible, telephone, telefax, toll-free telephone numbers, E-mail and Internet addresses, and complete mailing addresses are included for each manufacturer.

CD-ROM Version Software features: Full-text Search with Boolean operator support
- Keyword Indexes: Comprehensive Index, Manufacturers Dir., Manufacturers X-Ref
- Hyperlinking: All cross-references (alternate names) to main entries; Manufacturer Web sites, Manufacturer Email

Additional Indexes:

CAS Number Index contains CAS number entries followed by a listing of their trade name product and chemical equivalents in alphabetical order. The chemical name is in boldfaced type.

EINECS/ELINCS Number Index contains EINECS/ELINCS number entries followed by a listing of its trade
name product and generic chemical equivalents in alphabetical order. The chemical name is in boldfaced type.

CD-ROM Version Software features: Full-text Search with Boolean operator support
- Hyperlinking: Trade names to Trade name Section, Generics to Generic Chemical section

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