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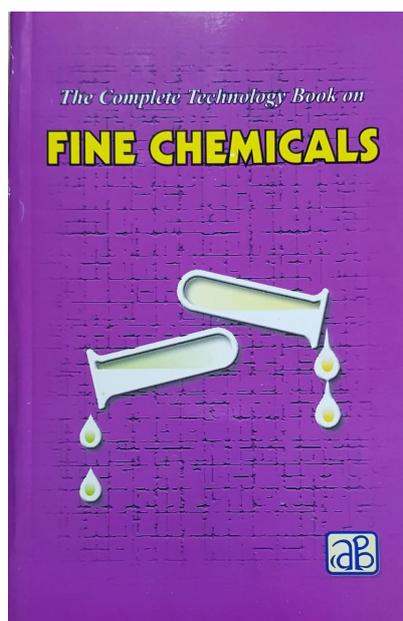
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## The Complete Technology Book on Fine Chemicals

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### Description

Fine chemicals are the chemicals which are produced in comparatively small quantities and in relatively pure state. In chemical technology, a distinction is made between bulk

chemicals, which are produced in massive quantities by standardized reactions, and fine chemicals, which are custom produced in smaller quantities for special uses. There is a very large number of fine chemicals that are produced, and thus the chemistries of producing them need to be flexible, whereas the atom economy is not as critical as for bulk chemicals. Some of the examples of fine chemicals are acetazolamide, albendazole, amitriptyline, azithromycin, benzothiazide, captopril, carbamazepine, chloroquine, etc. Owing to the small volume and often changing chemistry, fine chemicals production is more expensive, generates more waste and requires a higher research investment per kilogram. However, fine chemicals are produced in industrial quantities unlike research chemicals, which are produced only in the laboratory. Fine chemicals correspond to a distinct segment of the chemical industry, including low tonnage molecules (typically 10 to 20 Kt.). Pharmaceutical and Biological products, perfumes, photographic chemicals and electronic grade reagents are examples of fine chemicals. High purity reagents (99.999999% pure) are also classified as fine chemicals. Globally, the fine chemicals industry continues to be very fragmented in spite of some consolidation, partly due to the limited impact of economy of scale on the business. While, fine chemicals do offer limited albeit real opportunities for product differentiation, in contrast to commodity chemicals, they are unlike specialities. While, fine chemicals do offer limited albeit real opportunities for product differentiation, in contrast to commodity chemicals, they are unlike specialities, which offer much larger scope for standing out due to an enhanced contribution of technical services and application know how.

This book is a comprehensive reference on one of the most exciting and challenging segments of the modern chemical industry, and a practical guide for developing and succeeding in the multibillion fine chemicals business. Some fundamentals of this book are synonyms, molecular formula and other properties of fine chemicals like albendazole, amitriptyline, azithromycin, benzothiazide, captopril, carbamazepine, chloroquine, etc. This book is an invaluable resource for technologists, professionals and those who want to venture in this field.

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### 151. PYRIMETHAMINE

Synonyms

Therapeutic Category

Note

Molecular Formula

Molecular Weight

Melting Point

Solubility

Synthesis

### 152. PYRAZINAMIDE

Synonyms

Therapeutic Category

Molecular Formula

Molecular Weight

Melting Point

Spectral Data

Solubility

Synthesis

### 153. QUINIDINE

Synonyms

Therapeutic Category

Alkaloid Description

Molecular Formula

Molecular Weight

Melting Point

Optical Rotation

Solubility

Isolation

#### 154. QUININE

Synonyms

Therapeutic Category

Alkaloid Description

Molecular Formula

Molecular Weight

Melting Point

Optical Rotation

Isolation

#### 155. RANITIDINE

Synonyms

Therapeutic Category

Note

Molecular Formula

Molecular Weight

Melting Point

Solubility (for HCl Salt)

Synthesis

#### 156. RESERPINE

Synonyms

Therapeutic Category

Alkaloid Description

Molecular Formula

Molecular Weight

Melting Point

Spectral Data

Optical Rotation

Solubility

Isolation

#### 157. RIFAMPIN

Synonyms

Therapeutic Category

Note

Molecular Formula

Molecular Weight

Melting Point

Spectral Data

Solubility

## Synthesis

### 158. RITONAVIR

Synonyms

Therapeutic Category

Molecular Formula

Molecular Weight

Synthesis

### 159. ROXITHROMYCIN

Synonyms

Therapeutic Category

Note

Molecular Formula

Molecular Weight

Optical Rotation

Synthesis

### 160. SALBUTAMOL

Synonyms

Therapeutic Category

Note

Molecular Formula

Molecular Weight

Melting Point

Solubility

Synthesis

### 161. SAQUINAVIR

Synonyms

Note

Molecular Formula

Molecular Weight

Optical Rotation

Solubility

Synthesis

### 162. SELENOMENTHIONINE

Synonyms

Therapeutic Category

Note

Molecular Formula  
Molecular Weight  
Melting Point  
Optical Rotation  
Synthesis

#### 163. SERRATIOPEPTIDASE

Synonyms  
Therapeutic Category  
Synthesis

#### 164. SILVER SULFADIAZINE

Synonyms  
Therapeutic Category  
Note  
Molecular Formula  
Molecular Weight  
Synthesis

#### 165. SILDENAFIL

Synonyms  
Therapeutic Category  
Note  
Molecular Formula  
Molecular Weight  
Synthesis

#### 166. SPIRONOLACTONE

Synonyms  
Therapeutic Category  
Note  
Molecular Formula  
Molecular Weight  
Melting Point  
Spectral Data  
Optical Rotation  
Solubility  
Synthesis

#### 167. STAVUDINE

Synonyms

Therapeutic Category

Note

Molecular Formula

Molecular Weight

Synthesis

168. STRYCHNINE

Synonyms

Therapeutic Category

Alkaloid Description

Molecular Formula

Molecular Weight

Melting Point

Spectral Data

Optical Rotation

Solubility

Isolation

169. SULFACETAMIDE

Synonyms

Therapeutic Category

Note

Molecular Formula

Molecular Weight

Melting Point

Solubility

Synthesis

170. SULFADOXINE

Synonyms

Therapeutic Category

Note

Molecular Formula

Molecular Weight

Melting Point

Solubility

Synthesis

171. SULFAMOXOLE

Synonyms

Therapeutic Category

Molecular Formula  
Molecular Weight  
Melting Point  
Solubility  
Synthesis

#### 172. SULFAMETHOXAZOLE

Synonyms  
Therapeutic Category  
Note  
Molecular Formula  
Molecular Weight  
Synthesis

#### 173. SULFASALAZINE

Synonyms  
Therapeutic Category  
Note  
Molecular Formula  
Molecular Weight  
Melting Point  
Spectral Data  
Solubility

#### 174. SUPEROXIDE DISMUTASE

Synonyms  
Therapeutic Category  
Note  
Synthesis

#### 175. TAXOL

Synonyms  
Therapeutic Category  
Alkaloid Description  
Molecular Formula  
Molecular Weight  
Melting Point  
Spectral Data  
Optical Rotation  
Synthesis

#### 176. TERBUTALINE

Synonyms

Therapeutic Category

Note

Molecular Formula

Molecular Weight

Melting Point

Synthesis

#### 177. TETRACYCLINE

Synonyms

Therapeutic Category

Note

Molecular Formula

Molecular Weight

Synthesis

#### 178. TETRAMISOLE

Synonyms

Molecular Formula

Molecular Weight

Melting Point

Solubility

Synthesis

#### 179. THIAZETAZONE

Synonyms

Therapeutic Category

Note

Molecular Formula

Molecular Weight

Melting Point

Spectral Data

Solubility

Synthesis

#### 180. TIBOLONE

Synonyms

Therapeutic Category

Molecular Formula

Molecular Weight

Melting Point  
Synthesis

#### 181. TINIDAZOLE

Synonyms  
Therapeutic Category  
Note  
Molecular Formula  
Molecular Weight  
Melting Point  
Synthesis

#### 182. TOLNAFTATE

Synonyms  
Therapeutic Category  
Molecular Formula  
Molecular Weight  
Melting Point  
Solubility  
Synthesis

#### 183. TOLBUTAMIDE

Synonyms  
Therapeutic Category  
Note  
Molecular Formula  
Molecular Weight  
Melting Point  
Synthesis

#### 184. TRIMETHOPRIM

Synonyms  
Therapeutic Category  
Note  
Molecular Formula  
Molecular Weight  
Melting Point  
Solubility  
Synthesis

#### 185. TRIPROLIDINE

Synonyms  
Therapeutic Category  
Note  
Molecular Formula  
Molecular Weight  
Melting Point  
Spectral Data  
Synthesis

#### 186. TRIAMCINOLONE

Synonyms  
Therapeutic Category  
Note  
Molecular Formula  
Molecular Weight  
Melting Point  
Spectral Data  
Optical Rotation  
Synthesis

#### 187. TRIAMTERENE

Synonyms  
Therapeutic Category  
Molecular Formula  
Molecular Weight  
Melting Point  
Spectral Data  
Synthesis

#### 188. UBIQUINONE 10

Synonyms  
Therapeutic Category  
Note  
Molecular Formula  
Molecular Weight  
Synthesis

#### 189. VALPROIC ACID

Synonyms  
Therapeutic Category  
Note

Molecular Formula  
Molecular Weight  
Boiling Point  
Density  
Refractive Index  
Solubility  
Synthesis

#### 190. VERAPAMIL

Synonyms  
Therapeutic Category  
Note  
Molecular Formula  
Molecular Weight  
Boiling Point  
Refractive Index  
Solubility  
Synthesis

#### 191. VINBLASTINE

Synonyms  
Therapeutic Category  
Alkaloid Description  
Molecular Formula  
Molecular Weight  
Melting Point  
Spectral Data  
Optical Rotation  
Solubility  
Synthesis

#### 192. VINCRISTINE

Synonyms  
Therapeutic Category  
Alkaloid Description  
Molecular Formula  
Molecular Weight  
Melting Point  
Spectral Data  
Optical Rotation  
Synthesis

## 193. VINDESINE

Synonyms

Therapeutic Category

Alkaloid Description

Molecul

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