

IR - Sadtler Starter Database - Wiley

Spectra - 11,780

Description

This database is a collection of infrared reference spectra containing data on almost 10,000 organic chemicals and 1,800 trade name monomer and polymer compounds. This collection provides representative compounds for the infrared community to use as a reference in the identification, verification, and classification of spectra.

Additional Information

Each compound includes the following information (when available): source of sample, technique, melting point, boiling point, molecular weight, and molecular formula. Additional information pertaining to nearly 200 physical property information fields has been included where appropriate.

Classifications

The database includes monomer and polymer compounds represented by the following classifications.

Polymers - 1297

Paraffins - 4
Polyethylenes - 45
Polypropylenes - 42
Polybutenes - 24
Polybutadienes - 76
Polyisoprenes 18
Coumarone-Indene Resins - 14
Polyterpenes - 12
Polystyrenes - 128
Fluorinated Hydrocarbons - 20
Chlorinated Hydrocarbons - 37
Silicones - 46
Polyurethanes & Urethane Prepolymers - 103
Acetals - 8
Polyethers - 47
Thioplasts - 10
Anhydride Polymers - 7

Cellulosics - 43
Epoxy Resins - 52
Vinyl Polymers & Copolymers - 158
Phenolic Resins - 77
Polyacrylic Acids & Salts - 19
Acrylic and Methacrylic Polymers - 51
Polyesters - 91
Rosins & Polymerized Fats - 32
Aminoplasts - 27
Polyamides, Polyimides, & Polyimines - 52
Polyvinylpyrrolidones - 9
Polyvinylpyridines - 13
Ion Exchange Resins - 22
Polymers containing Sulfur - 10

Monomers & Precursors - 503

Compounds containing Halogen - 37
Compounds containing Phosphorous - 96

Alcohols & Phenols - 46
Compounds containing Sulfur - 39
Acrylates & Methacrylates - 42
Amines - 98
UV Light Absorbers - 24
Amides - 15
Compounds containing Nitrile - 4
Miscellaneous Carboxylic Acid Esters - 24
Carboxylic Acids - 26
Anhydrides - 22
Carboxylic Acid Chlorides - 3
Aldehydes, Ketones, Oximes, & Quinones - 5
Phthalates - 3
Aromatic Hydrocarbons - 3
Oxides & Peroxides - 5
Organometallics - 10

This collection has been subject to the Sadtler Data Review Protocol™ to provide you with the highest standard in spectral data today. These rigorous qualifying procedures start at data acquisition and continue throughout the database development process.