

IR - Sadtler Petroleum Chemicals - Wiley

Spectra - 320

Description

This database contains 320 infrared absorption spectra of commercially available petroleum products, many of which are used in modifying and improving gasolines, fuel oils, lubricants, and other products. Some of the more than 20 classes represented in this database include antiacids, antidetonants, antioxidants, catalysts, dispersants, gum inhibitors, gum solvents, ignition control compounds, rust preventatives, viscosity improvers, etc.

This database can serve as a reference in the identification, classification, and verification of compounds.

Additional Information

Each spectrum is labeled with the trade name of the product, a chemical description and physical constants supplied by the manufacturer, and the procedure used for preparation. The following information will also be supplied when available: molecular formula, molecular weight, melting point, boiling point, density, index of refraction, source of sample, and technique.

Classifications

Additives - 50	Dispersants - 15	Phosphates - 11
Amines - 21	Dyes - 12	Pour Point Depressants - 12
Antiacids - 2	Emulsifiers - 7	Rust Preventives - 15
Antidetonants - 2	Gelling Agents - 1	Solvents - 22
Antioxidants - 42	Gum Inhibitors - 8	Stabilizers - 9
Antiozonants - 2	Ignition Control Compounds - 6	Sulfonates - 11
Catalysts - 13	Improvers - 2	Thickeners - 2
Corrosion Inhibitors - 35	Inhibitors - 34	Viscosity Improvers - 4
Deactivators - 7	Lubricants - 11	
Detergents - 27	Modifiers - 2	

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.