

IR - Sadtler Lubricants 1 - Wiley

Spectra - 885

Description

Lubricants are substances that reduce friction between objects in motion. Lubricant additives are materials added to lubricants to give the resulting product special properties such as resistance to extreme temperatures or pressure, improved viscosity, and detergent capability. This database contains 885 infrared spectra of commercially available compounds used in a variety of industrial and automotive applications that perform these functions.

The types of products represented are commercially available lubricants such as greases, hydraulic fluids, cutting oils, motor oils and metallic soaps. Also included are products of petroleum origin and synthetic lubricants such as chlorofluorocarbons (CFCs), dibasic carboxylic acid esters, lubricating polymers, phosphate esters, and silicones.

Additional Information

Each compound is identified by its commercial or trade name. The following additional information will also be supplied when available: chemical composition, chemical and physical properties, source of sample, and technique.

Classifications

Additives - 19	Fluids - 120	Oils - 308
Base Stocks - 13	Glycols - 29	Phosphates - 28
Corrosion Preventatives - 37	Greases - 94	Silicones - 39
Drawing Compounds - 7	Lubricants - 203	Soaps - 10
Esters - 81	Lubricating Polymers - 17	Waxes - 18

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.