

IR - Sadtler Lubricant Additives 1 & 2 - Wiley

Spectra - 1,570

Description

Lubricant additives are chemicals added to materials to give products special properties such as resistance to extreme pressure or temperature, detergency, or improved viscosity. They are used in engine oils, transmission and hydraulic fluids, gear oils, industrial oils, metalworking, and process oils used in the automotive, marine, aeronautic, and petroleum industries, as well as any industry that makes use of machinery.

These databases contain 1,570 FT-IR spectra, covering a wide variety of compounds in this category.

Additional Information

Each compound is identified by its commercial or trade name. Manufacturer, instrument of analysis, use, and description are listed for all compounds. Records include the following information if it is available: molecular weight and formula, flash point, density, melting and boiling points, CAS Registry number, refractive index, and physical description.

Classifications

Accelerators - 7	Deactivators - 14	Pigments - 1
Activators - 9	Defoamers - 15	Plasticizers - 88
Additives - 666	Detergents - 46	Pour Point Depressants - 44
Antiblock Agents - 13	Dispersants - 80	Preservatives - 12
Antifoam Agents - 13	Dyes - 3	Processing Aids - 13
Antifoggers - 7	Emollients - 63	Release Agents - 55
Antioxidants - 93	Emulsifiers - 189	Resins - 1
Antiozonants - 3	Extenders - 7	Rust Preventatives - 62
Antistats - 48	Fillers - 9	Sealants - 4
Antiwear Agents - 52	Flame Retardants - 5	Sequestrants - 3
Bactericides - 4	Flavoring Agents - 2	Slip Agents - 9
Binders - 21	Flow Control Agents - 3	Softeners - 12
Biocides - 3	Foaming Agents - 1	Solvents - 47
Bleaching Agents - 1	Friction Modifiers - 10	Stabilizers - 117
Blowing Agents - 1	Fungicides - 6	Surfactants - 85
Catalysts - 9	Herbicides - 1	Synthesis Aids - 41
Coatings - 7	Improvers - 5	Tackifiers - 3
Conditioners - 8	Inhibitors - 20	Thickeners - 11
Corrosion Inhibitors - 137	Insecticides - 3	Viscosity Improvers - 46
Coupling Agents - 1	Intermediates - 91	Vulcanizers - 2
Cross-Linking Agents - 4	Lubricants - 371	Waterproofers - 10
Curing Agents - 5	Modifiers - 8	Wetting Agents - 45
	Opacifiers - 17	

Technique

Spectra were produced using a DIGILAB FTS-40 instrument and standard sample techniques.

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.