

IR - Sadtler Surfactants (Basic) - Wiley

Spectra - 850

Description

Surfactants are among the most versatile tools of the chemical industry. Even though Bio-Rad has an extensive library of infrared spectra of surfactant compounds, there was an industry-wide need for a collection of infrared spectra of basic surfactants. These are newer compounds run specifically for this database to give scientists working with surface active agents a reference database of representative compounds.

This database presents the most useful types of commercially available surfactants identified by chemical name. They were selected to assist in solving analytical problems in the area of surfactant analysis. Assembled in this significant collection are 850 FT-IR spectra of anionic, cationic, and nonionic compounds.

Additional Information

This database includes the name, synonyms, acronyms, and common manufacturer trade names. It also includes a description, molecular formula, molecular weight, source of sample, and technique, as well as any available chemical and physical properties such as melting point, boiling point, flash point, density, CAS Registry number, HLB number, etc.

Classifications

Fatty Acids - 40	Olefins - 2
Fatty Acid Salts - 113	Sulfonates - 81
Polyethylene & Propylene Glycol Esters - 107	Phosphorous Compounds & Mercaptans - 17
Glycerol Esters - 21	Amines & Amine Derivatives - 167
Polyhydroxy Alcohols & Sugar Esters - 50	Amides & Amide Derivatives - 36
Alcohols, Phenols & Polyoxyethylene Derivatives - 91	Quaternary Amine Salts - 33
Sulfates - 62	Miscellaneous Surfactants - 32

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.