**COMPARATIVE ANALYSIS OF CHEMISTRY OF GENERIC, SPECIALLY CATEGORIZED AND NOVEL MATERIALS FOR RESEARCHERS.**

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Abstract

‘Chemicals’ word sounds a dangerous material. But that is not true. Most people use chemicals in their home every day and many use them as part of their study and job. By ‘chemicals’ we mean substances (such as acetone) or mixtures, Inorganic chemicals like all the mineral acids such as H2SO4, HCl, HNO3 etc. Inorganic alkaline chemicals like, NaOH, KOH, NH4OH, Mg(OH)2 Ca(OH)2 etc. Inorganic Salts such as NaCl, CaCl2, MgCl2, MgSO4, Na2SO4, PbSO4, NaNO3 etc. Organic acid such as Acetic acid, Farmic acid Oxalic acid, citric acid ,Trarteric, acidetc. Aniline, Primary, Secondary and Tertiary amines, Pyridine,imidazole, all aldehydes, Ketones, alcohols,ethers. Organic salts like, sodium stearate, Lithium Palmate, sodium Benzoate, Metadinitro Benzene, dichloro benzene etc. (sometimes called preparations) such as paints, inks glues and oils, pesticides, Insecticide, dyes, drugs, cosmetics, Fertilizers, Polymers, Surgical materials and pesticides. Usually, generics claim to be, or are, cheaper than the original product or are known as graded and can perform just as well. Disadvantage in using generic chemicals is their higher risk rate in incorrect outcomes due to less refined products in the formulation. Present research paper is based on experimental data comparison of generic and special grade chemicals to claim that some generics not perform well. They may not be as effective in dispersing the product when mixing or may not remain in suspension or they may exhibit less effectiveness in other situations. This is due to cheaper surfactants and/or other components of the formulation whereas special grade chemicals give expected results.

Keyword: Suspension, Lithium Palmate, Surgical Materials, Cosmetics, Fertilizers, Polymers,