NOTES ON HANDLING AND STORAGE
Kolate 7013, and Kolate LV

GENERAL

These Kolates consist of an active aluminum organic compound dissolved in a mineral oil carrier. The active compound is moisture sensitive and will hydrolyze to form the more stable hydroxide. Kolate 7013, Kolate 7013 LV are cyclized aluminum isopropoxide. In contact with moisture they release isopropyl alcohol. This reaction is mildly exothermic and contact with exposed skin will generally result in a warming sensation. If the skin is moist from previous contact with water or damp from perspiration, the warmth will be more pronounced. It should be realized that the moisture is being removed from the skin and a moisturizing ointment or cream should be applied. For information on safety equipment while handling these products consult the MSDS.

HANDLING

These products are packaged in 55 gallon steel drums with removable heads. Normal precautions should be observed in moving full containers of liquid so that the containers will not be dented, particularly around the tops. This could put at risk the integrity of the seal between the top and the body of the drum. Kolate 7013 LV is of much lower viscosity and packaged in 55 gallon tight head drums. If usage patterns result in partial drums, some users add additional oil to protect the remaining Kolate from moisture after first weighing the remainder and calculating the weight of active aluminum remaining in the drum. This amount is then noted on the drum so that the correct amount of aluminum can be added to the next batch.

STORAGE

Inside storage areas that are dry and provide shelter are essential. Kolates are considered combustible liquids; storage areas should provide conditions meeting these requirements. Storage temperatures should be between -20ºC and 60ºC, although lower temperatures can be tolerated without loss of reactivity. Before use, it is best if the product is warmed to 30- 35ºC to provide ease of addition to a batch and to prevent localized chilling with possible precipitation of dissolved acids.

PLEASE REFER TO THE **MSDS** FOR ADDITIONAL INFORMATION