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"Dutch Boy"

LEADSTAR



A
PRODUCT DEVELOPMENT
OF
NATIONAL LEAD COMPANY

NLI 115178

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"Dutch Boy"

LEADSTAR

"DUTCH BOY" LEADSTAR, normal lead stearate, is a fine white [illegible] powder. It is an extremely pure product containing only trace quantities of water soluble salts. LEADSTAR provides economical lubricating, stabilizing, and waterproofing action in vinyl plastics and other applications.

Table of Properties

Composition	Normal Lead Stearate
Formula	[illegible]
Form	Fine White Enormous Powder
Molecular Weight	[illegible]
Specific Gravity	[illegible]
Melting Point	[illegible]
Flash, Bottom	[illegible]
Pressure	[illegible]
Solubility	Insoluble in water and all common organic solvents

Uses

Vinyl and Vinylidene Chloride Polymers and Copolymers—In vinyl compounds, "DUTCH BOY" LEADSTAR leads supplementary heat and light stability together with lubricity. With a maximum melting point of 115° C., it easily disperses at normal processing temperatures in vinyl milling operations. Being relatively inert, LEADSTAR is compatible with all commercially available plasticizers. It will add desirable lubricating properties to properly stabilized systems. In general, "DUTCH BOY" LEADSTAR will prove a valuable supplement to the excellent stabilizing action of the basic lead salts, such as "DUTCH BOY" TRIBASE, DYTHAL, and DYPHOS.

Phonograph Records—In phonograph records, LEADSTAR, as a lubricant, produces cleaner compression molded products, resulting in improved performance. It is compatible with a wide range of colorants, giving records of uniform tints.

Extrusion Compounds—LEADSTAR provides economical lubricating action in extrusion compounds, such as vinyl electrical wire and cable insulation, where the "DUTCH BOY" product reacts, due to its low soluble salts content. The most economical stabilization system for electrical compounds, is the combination of LEADSTAR for lubricity, and "DUTCH BOY" TRIBASE E, the economical heat stabilizer.

Calendered Compounds—"DUTCH BOY" LEADSTAR is especially useful as a releasing agent in vinyl calendering. It will prove economically advantageous in any application, from unsupported film and sheeting to vinyl coated fabrics. In calendering formulations, a combination of LEADSTAR with "DUTCH BOY" DS-30 provides very efficient lubrication, and supplements the stabilizing effect of the proper primary heat stabilizers.

Other Applications—"DUTCH BOY" LEADSTAR is suggested wherever its lubricity and waterproofing action can be used to advantage. A common industrial application of these advantages is in the addition of LEADSTAR to dry powders which are to be extruded or molded.

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