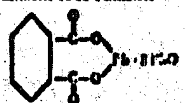
DYTHAL®

"DUTCH BOY" DYTHAL, dibasic lead phthalate, is a fluffy, white crystalline powder. DYTHAL is a most versatile vinyl stabilizer, providing good heat and light stability for a wide variety of applications. Its good general properties include excellent electrical resistivity in vinyls, and low reactivity with all types of plasticizers.

DYTHAL has a total lead content equivalent to 79.8% PbO, and its safe reactive basic lead content is 31.6% (PbO basis). The reactive basic lead acts as an acceptor for acid thermal degradation products of chlorine containing materials, and for the breakdown products from vinyl plasticizers. In addition, DYTHAL is an effective absorber of ultra-violet light, and imparts good light stability to vinyls.

The principal properties of DYTHAL as a vinyl stabilizer may be summed up as follows: It offers a unique combination of strong basic lead stabilizing action together with low reactivity and good stability with all classes of plasticizers. For example, DYTHAL is of particular advantage in compounds based on polyesters or other sensitive plasticizers which must be subjected to extreme temperature conditions.

Table of Properties

Composition	Dibasic Lead Phthalate
Formula	
Color and Form	Fluffy White Crystalline Powder
Molecular Weight	818
Specific Gravity	4.6
Refractive Index (average)	1.99
Weight per Solid Gallon	38.3 lbs.
Lead Oxide Content (% PbO)	79.8
Oil Absorption (average)	19 g. oil per 100 g.
Moisture (Loss at 105°C.)	0.3% max.
Fineness (Retained on No. 325 sieve)	0.1% max.
Solubility	Insoluble in all common solvents

#-5359

NLC

DYTHAL

Dibasic Lead Phthalate
General Purpose Heat and
Light Stabilizer for Vinyl
Plastics

A
Product Development
of
National Lead Company

Continued

TRI-MAL, the monohydrate ... double-white crystalline powder ... common solvents. It is one of the ... be produced, with a total lead ... basic lead content of 66.1% ... stabilizer for vinyl plastics, and ... fonated polyethylene.

Table

Composition	
Formula	
Molecular Weight	
Form	
Color	
Refractive Index	
Specific Gravity	
Weight per Solid Gallon	
Lead Oxide Content, % PbO,	
Moisture (loss at 105°C.), %	
Fineness (Retained on No. 325	
Solubility	