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"Dutch Boy"
MONOSAL

The mono-basic lead salt of
salicylic acid — especially
adapted as a stabilizer
for plastics and allied
products.



A Product Development of
NATIONAL LEAD COMPANY

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NLI 114292

N12225

"Dutch Boy" MONOSAL

MONOSAL, the monochloro lead salt of salicylic acid, is a soft, crystalline powder which is of interest in the improvement of light stability characteristics of a number of organic products.

MONOSAL combines the stabilizing characteristics of both lead monochloro and salicylic acid (Dutch Boy Normal). MONOSAL imparts light stability to organic films. It further acts as a basic acceptor for degradation products of such organic material. Hence, MONOSAL is well adapted as a stabilizer for the plastic and allied industries.

Table of Properties

Composition	Monochloro lead salicylate
Formula	
Molecular Weight	305.5
Form	Soft crystalline powder
Color	Crystalline white
Refractive Index (average)	1.58
Specific Gravity	2.25
Weight per Cubic Centimeter	2.25 g./cc.
Lead Chloride Content (%)	61.84%
Viscosity (flow at 100°C)	0.175 mm.
Oil Absorption	0.25 g. oil per 100 g.
Flammability	Like most lead salts, MONOSAL is available in all common grades.

Uses

Film Stabilizer—MONOSAL enables the user to obtain a better film stabilizer for vinyl plastics. It imparts exceptional light stability to the film in which it is used. MONOSAL's structure indicates that it has the power to act as a heat stabilizer as well as a light stabilizer. It is adapted for use itself or in combination with other vinyl stabilizers.

Suggested Uses

Because of MONOSAL's unique combination of properties as both heat stabilizer, it is suggested that MONOSAL may be used as a stabilizer in rubber (neoprene type, chlorinated rubber, etc.). MONOSAL, being adapted to the stabilizing of chlorinated paraffins, and other such thermally unstable chlorinated plastics.

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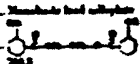
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"Dutch Boy" MONOSAL

MONOSAL, the monobasic lead salt of salicylic acid, is a soft, creamy white, crystalline powder which is of interest in the improvement of light and heat resistant characteristics of a number of organic products.

MONOSAL combines the stabilizing characteristics of both lead salts and normal lead salicylate (Dutch Boy Vermorel). MONOSAL imparts exceptional light fastness to organic films, is further acts as a basic acceptor for acid thermal degradation products of such organic material. Hence, MONOSAL is particularly well adapted as a stabilizer for the plastic and allied industries.

Table of Properties

Composition	Monobasic lead salicylate
Formula	
Molecular Weight	366.5
Form	Soft crystalline powder
Color	Creamy white
Substance	Lead
Specific Gravity	1.50
Specific Gravity	1.50
Weight per Cubic Inch	22.6 lb.
Lead Oxide Content (%)	61.6%
Stability (up to 100°C)	0.175 mm.
Oil Absorption	26.7 g oil per 100 g
Flammability (Based on No. 25 class)	8.7% max.
Solubility	Like most lead salts, MONOSAL is insoluble in all common solvents.

Uses

Plastic Films—MONOSAL satisfies the need for a lead salicylate and stabilizer for vinyl plastics. It imparts exceptional light fastness to the vinyl plastics in which it is used. MONOSAL's structure indicates that it has the proper tendency to act as a heat stabilizer as well as a light stabilizer. It is adapted for use either by itself or in combination with other vinyl stabilizers.

Suggested Uses

Because of MONOSAL's unique combination of properties as both a light and heat stabilizer, it is suggested that MONOSAL may be used as a stabilizer in films, coatings, resins, pigments, rubber, etc. MONOSAL could also be adapted to the stabilizing of chlorinated paraffins, and other such thermally light sensitive substances containing plastics.

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185 Oak St., Buffalo 2; 107 West 10th St., Chicago 2; 105 Fremont Ave., Cleveland 2; 100 West Third St., Cleveland 10; 105 Clinton St., St. Louis 2; 104 1/2 St. St., St. Paul 10; National Lead Co. of Mass., 100 Albany St., Boston 2; John T. Lewis & Son Co., Wilkes-Barre, Philadelphia 2; National Lead Co. of Pa., 220 West Ave., Philadelphia 2.