

NLS- 903

Lubricants and metal soaps are essential additives in PVC processing. They facilitate and simplify PVC manufacturing by decreasing the friction between the PVC chains and reducing the wall adherence of the PVC melt. Lead compounds were among the first materials to be used as stabilizers to prevent the decomposition of PVC. A Union Carbide patent from 1934 describes the use of lead oxide as a heat stabilizer for vinyl resin enamels. Only compounds derived from bivalent lead are relevant in practice, with basic primary lead stabilizers and lead soaps being the most commonly used PVC stabilizers. Primary lead stabilizers are generally used in conjunction with lead soaps, calcium soaps, lubricants and antioxidants.

Benefits:

Excellent long-term heat stability, Pigmenting effect of basic primary lead stabilizers beneficial in light colored applications, Low solubility in water, no leaking into the environment, No odor during processing and in the final product, No detrimental effects on the Vicat softening temperature of rigid PVC

Disadvantages:

Lead compounds in biologically available form are chronically toxic (as explained in the notes on precautions in handling lead products).

Discoloration in contact with sulphur-containing compounds (sulphur staining)

Product introduction

This product is a thermostabilizer with moderate heat stability and is used as an external lubricant primarily for plasticized and unplasticized processing of PVC suspension polymers such as extrusion, injection, molding and calendaring. It may be combined with Tribasic lead sulphate, dibasic lead stearate, dibasic lead phosphite, dibasic lead phthalate and other lead stabilizers.

Specification	
Pbo Content	%29.00-30.5
Free Fatty Acid (Max)	%1
Moisture Content (Max)	%0.5
Melting Point	110±5°C

Application

Typical applications of lead stabilisers include recyclable PVC profiles, pipes and cables with a long service life

Package: 25±1 KG PP bag

Storage: kept free from moisture and stored in dry place.

Form: powder

Color: white