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"Dutch Boy"

ESTERSOY P

An all-purpose synthetic oil derived from soybean for the paint and varnish manufacturer

A Product Development of
NATIONAL LEAD COMPANY

"Dutch Boy"

ESTERSOY P

ESTERSOY P is a valuable synthetic oil derived from soybean for the paint and varnish manufacturer.

ESTERSOY P is a good drying oil, which has many properties superior to linseed oil and can be used to advantage in practically all cases where linseed has been employed. It should be emphasized that ESTERSOY P is not a "substitute" material designed only to circumvent the current shortage of flax and oils. ESTERSOY P has been scientifically formulated to possess a combination of desirable properties which are not possessed by any natural oil or mixture of natural oils. It will do the work of these natural oils and in addition, because of its special properties, will find applications in fields where natural oils are inadequate.

Advantages of ESTERSOY P

Quick Drying—The drying time of ESTERSOY P is equivalent to that of high quality linseed oil; in this respect it is far superior to soybean oil.

Non-Yellowing—ESTERSOY P has the same non-yellowing properties as soybean oil and may be used in any white paint or enamel with complete safety.

Fast Bodying—ESTERSOY P has a bodying rate much faster than that of soybean and considerably faster than that of linseed, thus assuring rapid, economical heat processing.

Alkali Resistance—ESTERSOY P has good alkali and moisture resistance. This property is also exhibited by varnishes containing ESTERSOY P.

Low Viscosity—ESTERSOY P is produced at G viscosity. This low viscosity permits its use in large percentages in paints and in varnishes with resins which require a relatively long cooking period.

Low Reactivity—ESTERSOY P is unreactive even with a very reactive pigment such as 100% zinc oxide, thus assuring that paints made with reactive pigments will not exhibit abnormal changes in consistency.

Good Tensile Strength—ESTERSOY P provides dried paint films of improved tensile strength.

Durability—Six years' outside exposure on test panels in standard house paints show this oil to have excellent durability.

TABLE OF PROPERTI

Viscosity	
Color (Gardner 1933)	
Appearance	
Acid Value	
Saponification Value	
Iodine Value	
Refractive Index	
Pounds per Gallon	
Reactivity	

Uses

ESTERSOY P has wide application in paints and
be used wherever a good drying oil is required.

ESTERSOY P is an excellent paint vehicle. Use
SOY P is safe to use with extremely basic pigments, wh
following particularly environments it for all types of
exterior and interior. Paints prepared with ESTERSOY
room temperatures, but also at 40°F. and have very
embodies.

ESTERSOY P is compatible with all types of resins
No unusual experience or special equipment is necessary
It is to be remembered that ESTERSOY P is a faster bo
otherwise there is little difference between the two oils
the varnish kettle is concerned. Varnishes prepared with
pale, tough, flexible films having excellent water and alkali

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Advantages of ESTERSOY P

Quick Drying—The drying time of ESTERSOY P is equivalent to that of high quality linseed oil; in this respect it is far superior to soybean oil.

Non-Yellowing—ESTERSOY P has the same non-yellowing properties as soybean oil and may be used in any white paint or enamel with complete safety.

Fast Bodying—ESTERSOY P has a bodying rate much faster than that of linseed and considerably faster than that of linseed, thus assuring rapid, economical bodying.

Alkali Resistance—ESTERSOY P has good alkali and moisture resistance. This quality is also exhibited by varnishes containing ESTERSOY P.

Low Viscosity—ESTERSOY P is produced at G viscosity. This low viscosity aids its use in large percentages in paints and in varnishes with resins which give a relatively long cooking period.

Low Reactivity—ESTERSOY P is unreactive even with a very reactive pigment such as 200% zinc oxide, thus assuring that paints made with reactive pigments will not exhibit abnormal changes in consistency.

Good Tensile Strength—ESTERSOY P gives the dried paint films of low tensile strength.

Durability—Six years' outside exposure on test panels in standard house paints show this oil to have excellent durability.

TABLE OF PROPERTIES

Viscosity	G
Color (Gardner 1933)	9
Appearance	Clear
Acid Value	2
Saponification Value	205
Iodine Value	125
Refractive Index	1.479
Pounds per Gallon	7.89
Bodying	Low

Uses

ESTERSOY P has wide application in paints and varnishes. In general, it may be used wherever a good drying oil is required.

ESTERSOY P is an excellent paint vehicle. Due to its non-reactivity, ESTERSOY P is safe to use with extremely basic pigments, while its freedom from chain yellowing particularly recommends it for all types of whites and light tints, both exterior and interior. Paints prepared with ESTERSOY P dry readily, not only at room temperatures, but also at 50° F. and have very satisfactory application characteristics.

ESTERSOY P is compatible with all types of resins used in varnish making. No unusual experience or special equipment is necessary in cooking ESTERSOY P. It is to be remembered that ESTERSOY P is a faster bodying oil than linseed, but otherwise there is little difference between the two oils so far as their behavior in the varnish kettle is concerned. Varnishes prepared with ESTERSOY P produce pale, tough, flexible films having excellent water and alkali resistance.