

**VLEIENHART**
SINCE 1839**VLEIENHART® - drier 420**
Cobalt alternative

The VLEIENHART®-drier 420 is a highly efficient COBALT alternative drier for urethane modified oils/alkyds and can also be effectively used with sunflower based long and medium alkyd lacquers.

PROPERTIES: VLEIENHART®-drier 420 can be efficiently applied in clear and brightly pigmented polyurethane-modified alkyds and in conventional long and medium oil alkyds, with tend to discolour. As compared to cobalt salts VLEIENHART®-drier 420 can offer superior properties such as:

- The minimization of discoloration of clear urethane-modified alkyds in can;
- The improvement of alkali resistance;
- The increase of yellowing resistance of (air drying) alkyd finishes especially those which undergo prolonged heat or alkaline fumes;
- The prevention of loss of dry on aging;
- The relative lower level of toxicity compared to cobalt.

APPLICATIONS: VLEIENHART®-drier 420 can provide complete drying of the system, but optimum results will be obtained when used in combination with auxiliary driers. This is to ensure rapid and complete trough drying.

USE LEVEL: The normal use of level range is:
0.3 - 0.5% VLEIENHART®-drier 420 as form of supply on resin solids. Increasing lever up to **1%** will increase the film hardness.
0.05 - 0.3% VLEIENHART®-drier Calcium as metal on resin solid.
0.1 - 0.4% VLEIENHART®-drier Zirconium as metal on resin solid.
This dosage should only be considered as a guideline.
The optimum combination and concentrations will depend on the total formulation characteristics.

HANDLING: VLEIENHART®-drier 420 should be handled in accordance with good industrial practice. Consult Material Safety Data Sheet for specific safety and handling information.

STORAGE: VLEIENHART®-drier 420 should be stored between -10°C and 35°C. Shelf-life if stored in original unopened packaging under the mentioned conditions:
- VLEIENHART®-drier 420 2 years

PACKAGING: Non-returnable 200L steel drums and 1000L IBC

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TEL +31 (0)344 63 33 36
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PAINT REMOVERS
COOKED BINDING MEDIA
CLEAR VARNISHES
PAINT DRIERS AND ADDITIVES

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<i>Typical Properties</i>	420
Metal content, %	-
Viscosity @ 25°C, mPa.s approx.	-
Non volatile, %	-
Specific gravity (25°C) in g/cm ³	0.87 – 0.91
Color	brownish
Volatile Organic Content, g/L	339
Solvent(s)	Low flash, low aromatic mineral spirits

All above mentioned figures are indicative values only.

The technical information and specifications contained in this data sheet are based on careful investigations and given to the best of our knowledge. Nevertheless circumstances under which the product is used in practice are subject to many variations. VLIEGENTHART BV cannot be held responsible for possible deviations.

BIJ KONINKLIJKE BESCHIKKING
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OF THE NETHERLANDS*Green by nature*VLIEGENTHART B.V.
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