



# Product Data Sheet Urakyd™ MFS91

**Long-oil alkyd resin based on plant derived fatty acids**

## Applications

- high solid coatings
- stains
- decorative coatings
- wood oils for garden furniture
- pigment grinding

## Principal properties

- brushability
- low yellowing tendency
- pigment wetting
- outdoor durability
- penetration
- increase of solid content

## Dilutability

White spirit	complete
Xylene	complete
Isoparaffinic solvent	complete
n-Butanol	insoluble

## Compatibility

Long-oil alkyds	complete
Medium-oil alkyds	limited
Modified alkyds	limited
Linseed stand oil 30 dPa.s	limited
Rosin maleic resins	limited

## Recommendations on formulation and use

In paint formulations the usual pigments and/or extenders may be used.

## Test methods

Test methods (TM) referred to in the tables are available on request.

## Delivery form:

100% solid

## Product specifications

Property	Range	Unit	TM
Viscosity, 23°C	300 - 500	mPa.s	2013
Solid content	99 - 100	%	2025
Color, Gardner	max. 6	-	2017
Appearance	clear	-	2265
Acid value, on solid	0 - 10	mg KOH/g	2401

## Remarks

TM 2013: cond. spindle Z2/100/23°C

## Other product data

Property	Value	Unit	TM
Oil length	ca. 91	%	-
Type of fatty acids	plant derived	-	-
Density, 23°C	ca. 933	kg/m <sup>3</sup>	2160
Flash point	ca. 100	°C	2800

## Drier system

For proper drying characteristics it is recommended to use (weight % metal on solid resin):

Cobalt drier	0.06 - 0.07	%
Calcium drier	0.1 - 0.2	%
Zirco drier	0.5 - 0.8	%

## Storage guidelines

The resin should be stored indoors in the original, unopened and undamaged containers in a dry place at storage temperatures between 5° C and 30° C. Exposure to direct sunlight should be avoided.

## Shelf life

Under the stipulated storage conditions, the anticipated shelf-life is 365 days from last quality control date, as stated in the Certificate of Analysis.

## Material safety

A material safety data sheet of the products is available on request.

