



Kuwait Chemical Manufacturing Company KSC

الشركة الكويتية للتصنيع الكيماوي (ش.م.ك.)

TECHNICAL DATA SHEET

23 January 2007

CHAIN STOPPED MEDIUM OIL ALKYD

KULAC MSC 50W/50

Kulac MSC 50W/50 is a 50% solids chain stopped medium oil alkyd in white spirits formulated for use in fast drying industrial finishes. **MSC 50W/50** exhibits excellent toughness, hardness, drying time and durability.

Application Areas

Kulac MSC 50W/50 may be used in the formulation of brush, roller or spray applied coatings such as:

- Agricultural equipment and machinery finishes
- Coach finishes
- 2 Pack polyurethanes for general transportation finishes.
- Road marking paints

Physical Characteristics

Parameter	Units	Limits
Oil Length ³	%	± 50
Oil Type ³	Nil	Linoleic Rich
Non-Volatile Content	%	50 ± 2
Viscosity (25°C)	Gardner	Z ₂ – Z ₄
Acid Value (on solids)	mg KOH/g	12 Max.
Colour	Gardner	5 Max.
Clarity	Nil	Clear
Percent OH ³	%	1.2
OH Number ³	-	40
OH Equivalent Mass ³	mg KOH/g	1425
B. K. Drying Times^{1, 3}		
Touch Dry	Hours	± 1.5
Hard Dry	Hours	± 3.0

Compatibility Characteristics^{2, 3}

Solvents	
Alcohols	Limited
Aliphatics	Compatible
Aromatics	Compatible
Esters	Compatible
Ketones	Compatible

Other Film Formers³

Amino Resins	Incompatible
Bodied Oils	Limited
Chlorinated Rubber	Limited
Drying Oils	Compatible
Long Oil Alkyds	Compatible
Phenolic Resins	Limited
Isocyanates	Compatible.

Note:

¹ Sample containing 0.05% Co and 0.5% Pb on resin solids reduced to 100 seconds Ford 4 with white spirits and matured for 48 hours. The varnish is subsequently applied at a 75µ wet film thickness to glass panels and allowed to dry under laboratory conditions.

² Compatibility characteristics are provided for guidelines only. Combinations should be thoroughly checked before use.

³ These parameters are provided for information purposes only and do not form part of the product specification.

Suggested Usage

Kulac MSC 50W/50 may be used in any application where it's combination of fast drying, hardness and chemical/moisture resistance are of benefit. It may also be used in admixture with long or medium oil length alkyds to improve the performance of these resin types when used in applications such as wooden flooring.

Packaging

Kulac MSC 50W/50 is available in mild steel drums of 190 Kg net. For alternative packaging requirements please contact our Sales Department.

Storage Stability and Safety

Kulac alkyd resins should be stored below 30°C in a cool, dry position away from direct sunlight or other heat sources. Under these conditions the resins will have a shelf life of one year.

Kulac alkyds should additionally be stored and handled in accordance with local statutory regulations.

Address P. O. Box 26011, Safat, Kuwait, 13121

Telephone (+65) 326-3297 or 326-3497

Document Revision Number

Fax (+65) 326-0179

MSC 50W/50 A01

E-Mail

sales@kcmckw.com

No warranty or guarantee, express or implied, is made regarding the performance or stability of any product since the manner of use and/or conditions of storage are beyond our control. Additionally, KCMC are committed to improving all aspects of our product range through continued research and development. As such product composition and/or specifications may change without notice.