



ENGINEERING MATERIAL SPECIFICATION

Material Name

Specification Number

HARDENER

SK-M99J9579-A

1. SCOPE

The material defined by this specification is a hardener.

2. APPLICATION

SK-M99J9579-A is used as hardener for topcoat SK-M99J9578-B.

3. REQUIREMENTS

3.1 COMPOSITION

3.1.1 Vehicle

Isocyanate basis

3.1.2 Toxicity

Contents of toxic components, e.g. benzene, chlorinated hydrocarbons, lead compounds, free isocyanate, etc., shall conform to the safety regulations currently prevailing in the workshop where the material shall be used.

A vendor intending to deliver material according to this specification but containing toxic components within or not within safety rules has to advertise this in detail to the appropriate department of the plant or workshop concerned to enable these departments to take actions as necessary.

3.1.3 Mixing Ratio

As specified by the vendor

3.2 PHYSICAL PROPERTIES

3.2.1 Non-Volatile

(FLTM EU-BI 2-1)

According to initial sample report as approved +/- 2 %.

3.2.2 Package Viscosity

(FLTM EU-BI 11-1)

According to initial sample report as approved +/- 5 s.

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Page 1 of 2

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3.2.3 Flash Point

The flash point shall conform to the safety regulations applicable to the workshop where the material shall be used.

3.2.4 Shelf Stability

During a storage of 6 months at room temperature, the material as received shall not gel or liver upon standing. The viscosity of the material shall not increase in excess of 10 seconds when tested according to FLTM EU-BI 2-3.

3.3 SUPPLIER'S RESPONSIBILITY

All materials supplied to this specification must be equivalent in all characteristics to the material upon which approval was originally granted.

Prior to making any change in the properties, composition, construction, color, processing or labeling of the material originally approved under this specification, whether or not such changes affect the material's ability to meet the specification requirements, the Supplier shall notify Purchasing, Toxicology and the affected Materials Engineering activity of the proposed changes and obtain the written approval of the Materials Engineering activity. Test data, test samples and a new code identification are to be submitted with the request.

Substance restrictions imposed by law, regulations or Ford, apply to the materials addressed by this document. The restrictions are defined in Engineering Materials Specification WSS-M99P9999-A1.

4. APPROVAL OF MATERIALS

Materials defined by this specification must have prior approval by the responsible Materials Engineering activity. Suppliers desiring approval of their materials shall first obtain an expression of interest from the affected Purchasing, Design and Materials Engineering activity. Upon request, the Supplier shall submit to the affected Materials Engineering activity a completed copy of their laboratory test reports, signed by a qualified and authorized representative of the test facility, demonstrating full compliance with all the requirements of this specification (test results, not nominal values), the material designation and code number, and test specimens for Ford evaluation. Ford's engineering approval of a material will be based on its performance to this specification and on an assessment of suitability for intended processes and/or applications. Upon approval, the material will be added to the Engineering Material Approved Source List.