

# SHERWIN-WILLIAMS PAINT, VARNISH AND LACQUER LABORATORIES

**ROUTINE AND POLICY** Consecutive No. 113

X258

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**SUBJECT:** VEHICLES, PURCHASE SPECIFICATIONS ON SHERWIN-WILLIAMS MANUFACTURED FORMULAS

**PURPOSE:** Occasionally, it is necessary to purchase, from outside sources, varnishes and vehicles which normally are manufactured within the Sherwin-Williams Institution.

Approval must be obtained from the General Purchasing Department and Cleveland Technical Service Department before any commitments are made and formulas released to outside producers. If necessary, Cleveland Technical Service will consult with either the vehicle control laboratory or the office of the Technical Director.

**PROCEDURE:**

1. Specifications will be issued by Cleveland Technical Service on Form 28520, "Specification For Purchased Material." (See Attachment). This is the same form as used by the Purchasing Department for outside purchased raw materials.
2. The following statements must be included under the "General Description" caption of Form 28520: "This specification automatically becomes void one (1) year after its date. The Sherwin-Williams specifications for all raw materials used herein plus all test methods for both vehicle and its components are part of this specification."
3. Each specification should indicate that "Sherwin-Williams' test methods are identical with test methods for which a publication reference is given, unless specifically stated otherwise." Where such exceptions exist or where there is no published test method, Cleveland Technical Service will furnish either the exceptions or the full test methods. It is also recommended that a notation be made directing the producer to submit a preshipment sample to the purchasing plant for approval before shipment is made.
4. All routinely tested characteristics shown on Form 70247, "Varnish Formula Record" shall be included on the front side of this specification. Additional required secondary characteristics and testing methods will be added, if necessary, after consultation with the laboratories controlling products using such purchased vehicles.

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5. The back side of the specification will contain the formula ingredients in pounds, the applicable ingredient names, as well as specification references for each material. Included will be a typical time-temperature log of the entire manufacturing procedure written as clearly and completely as possible.
6. The specification will be signed by a responsible formulator.

0007-SWP-0059336



## SPECIFICATION FOR PURCHASED MATERIAL

Material Soya Glycerol Maleate Phthalate Alkyd Date Sept. 2, 1969 Code (39 62 50)

Supersedes Specification

General Description:

Date Sept. 2, 1968 Code (39 62 50)

This specification automatically becomes void one (1) year after its date.  
The Sherwin-Williams specifications for all raw materials used herein plus all test methods for the vehicle and its components are part of this specification.

| CHARACTERISTICS               | MIN.  | STD.  | MAX.  | TEST METHOD * |            |
|-------------------------------|-------|-------|-------|---------------|------------|
| <u>Routine Tests</u>          |       |       |       |               |            |
| Sp. Gr. @ 77°F                | 0.950 | 0.955 | 0.960 | SW 401.2      | ASTM D891  |
| Color, Gardner                |       |       | 9     | SW 424.1      | ASTM D1544 |
| Clarity                       |       | Clear |       | SW 426.1      | ASTM D2090 |
| Viscosity, Gardner,<br>Stokes | 16    | 20    | 25    | SW 427.0      | ASTM D1545 |
| Acid Number on Solids         | 5     |       | 10    | SW 507.0      | ASTM D1639 |
| Non Volatile, Wt., %          | 69    | 70    | 71    | SW 404.1      | ASTM D1644 |
| <u>Secondary Tests</u>        |       |       |       |               |            |
| Flash Point °F, TOC           | 100   |       |       | -----         | ASTM D1310 |
| Phthalic Anhydride,%          | 23.1  |       |       | SW 702.1      | -----      |
| Volume Solids,%               | 62.2  |       |       | SW 405.0      | -----      |

### SPECIAL TESTS AND/OR CHARACTERISTICS:

- \* Sherwin-Williams test methods are considered identical with test methods for which a publication reference is given, unless specifically stated otherwise.

Prior to actual shipment, a pre-shipment sample must be sent to the purchasing plant for their approval.

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**PRACTICAL REQUIREMENTS:** The material shall remain constant in successive lots or shipments with respect to unspecified characteristics to the extent that the seller warrants that no known changes are to be made in raw materials or processing methods of this material without due notification of the buyer.

See Over For Manufacturing Instructions

Code (39 62 50)

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