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Revised _____

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AERONAUTICAL MATERIAL SPECIFICATION

Society of Automotive Engineers, Inc.

29 West 39th Street

New York City

AMS

3080

COMPOUND

Anti-seize

1. **ACKNOWLEDGMENT:** A vendor must mention this specification number and its last revision in all quotations and when acknowledging purchase orders.
2. **FORM AND USE:** A paste to be applied to threads on removable plugs when assembling to prevent seizure while assembling or disassembling.
3. **COMPOSITION (by weight):**

Product →	→ White Lead Paste	78-82%	→ Pigment	89% min
			→ Linseed Oil	11% max
			→ Moisture and other volatiles	0.7% max
			→ Coarse particles and "skins" (based on pigment)	1.5% max
	→ Petrolatum	9-11%		
	→ Graphite	9-11%		

4. **COMPONENTS:** (a) White Lead Paste.- The total residue retained on a No. 325 sieve shall be classed as "coarse particles and 'skins'," and the percentage figured on weight of pigment. No hard particles or foreign materials shall be present.

(1) Dry Pigment.- Shall have a composition approximating the formula $2\text{PbCO}_3 \cdot \text{Pb}(\text{OH})_2$ and shall meet the following requirements:

Lead Carbonate	65-75%
Coarse particles retained on No. 325 sieve	1.0% max
Impurities	1.0% max
Moisture	0.7% max

It shall be free from adulterants and shall contain no more than the traces of impurities incident to well-controlled manufacture of high grade basic-carbonate white lead.

(b) Petrolatum.- Shall be uniform in quality, clean, homogeneous, re-fined, and free from abrasive or other foreign materials. It shall conform to the following properties:

Color	A.S.T.M. No. 2 to No. 8
Melting Point	120°F - 140°F
Flash Point	390°F min
Consistency or Penetration	170 - 275
Saybolt Viscosity at 210°F	70 - 95 seconds
Reaction	Neutral
Neutralization Number	0.1 max
Corrosion Test at 212°F	Negative
Precipitation from 20 g. sample	0.3 cc max
Loss after 1 hr at 221° - 230°F	2% max