

NOT MEASUREMENT SENSITIVE

MIL-S-22473E
AMENDMENT 8
18 November 1993
SUPERSEDING
AMENDMENT 6
22 April 1993
INTERIM AMENDMENT 7(MR)
30 July 1993

MILITARY SPECIFICATION

SEALING, LOCKING, AND RETAINING COMPOUNDS: (SINGLE COMPONENT)

This amendment forms a part of MIL-S-22473E, dated 12 April 1983, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 4

2.2, 2nd parenthetical sentence, 1st word: Delete "Inudstry" and substitute "Industry".

3.3.4: Delete and substitute:

"3.3.4 Condition in container. The unpolymerized compound, when examined in accordance with 4.6.1.4 shall be smooth and homogeneous in appearance and shall be free from seeds, agglomerates, lumps, caked material, or other foreign substances."

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Add as new paragraph 3.3.9:

"3.3.9 Ozone depleting chemicals. The material shall not contain any chemical which is classified in the Clean Air Act Amendments of 1990 as a Class I or Class II ozone depleting substance."

Add as a new paragraph 3.3.10:

"3.3.10 Material Safety Data Sheet (MSDS). The contracting activity shall be provided a MSDS prior to award of contract. The MSDS shall be prepared and submitted in accordance with FED-STD-313 and 29 CFR 1910.1200. In the event of a conflict, 29 CFR 1910.1200 shall take precedence. The MSDS shall be included with each shipment of the material covered by this specification. Contracting officers will identify those activities requiring copies of completed MSDS's. The pertinent government mailing addresses for submission of data sheets are listed in Appendix B of FED-STD-313."

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Add as new paragraph 3.4.9:

"3.4.9 Onset of cure. Polymerization shall not commence until after five minutes has elapsed following confinement between closely fitting metal surfaces."

3.5.3: Add the following sentence

"For primers with flash points below 120°F (49°C) and/or containing reactive diluents in their formulation, the primer as packaged in the original, unopened container shall meet the requirements of this specification when conditioned for a minimum of 6 months at $68 \pm 2^\circ\text{F}$ ($20 \pm 1^\circ\text{C}$) and tested as specified in 4.6.3.2."

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4.6.1.4: Delete and substitute:

"4.6.1.4 Condition in container. Thoroughly shake the test container to re-suspend any solid material which might have settled to the bottom. Immediately extract a one milliliter sample of the compound and dispense onto a clean glass laboratory slide. Spread the compound into a thin film and visually examine the slide against a clean white background for the presence of solid particles. The compound shall comply with the requirements of 3.3.4."

PAGE 9

Table II, Material column, bottom line: Add parenthesis at end of description, so it reads "Boxes closed (see 5.2 and 5.4)"

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Add as new paragraph 4.6.2.1.8:

"4.6.2.1.8: Onset of cure. The coated assemblies prepared in accordance with 4.6.2.1.1 shall be allowed to stand in air at 70°F to 77°F ($21^\circ - 25^\circ\text{C}$). After five minutes, the assembled nuts shall be able to turn with approximately the same force which was used during assembly."

PAGE 15

4.6.3.2: Delete and substitute:

"4.6.3.2 Storage stability. Five containers of each grade of primer shall be conditioned for 10 days at 120°F (49°C). Primers with flash points below 120°F (49°C) shall be conditioned for a minimum of 6 months at $68 \pm 2^\circ\text{F}$ ($20 \pm 1^\circ\text{C}$). After cooling to room temperature, each primer shall be examined for conformity to 3.6 and tested for speed of cure (see 4.6.3.1). Each of the 5 specimens must pass."

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Custodians:

Army - MR

Navy - AS

Air Force - 11

Preparing activity:

Army - MR

Project 8030-0674

Review activities:

Army - ER, MD, ME, MI

Navy - SH, OS

Air Force - 99, 84

MISC - DS

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