



FEB 1949 Issued SEP 1966 OCT 1991 Revised Reaffirmed MAY 1998 Cancelled

Submitted for recognition as an American National Standard

Superseding AMS 3078A

COMPOUND, CORROSION - PREVENTIVE Soft Film, Cold Application

CANCELLATION NOTICE

This specification has been "CANCELLED" by the Aerospace Materials Division, SAE, as of April 1998. By this action, this document will remain listed in the Numerical Section of the Index of Aerospace Material Specifications.

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

(724) 772-7154 (724) 776-4970

Copyright 1998 Society of Automotive Engineers, Inc. All rights reserved.

QUESTIONS REGARDING THIS DOCUMENT: TO PLACE A DOCUMENT ORDER: SAE WEB ADDRESS:

FAX: (724) 776-0243 FAX: (724) 776-0790 http://www.sae.or

Printed in U.S.A.



| A | MS 3078B | SAE | AMS 3078B |
|--------|--|--|--|
| 1. AC | KNOWLEDGEMENT: | | |
| | endor shall mention this speci nowledging purchase orders. | ification number and its revision letter | in all quotations and when |
| 2. TY | PE: | | |
| AM | eady-mixed compound, consis S 3160 petroleum solvent, su I higher. | sting of a stable, nonvolatile, petroleu itable for application by dipping, brusi | m-base compound and ning, or spraying at 70 F (21C) |
| 3. API | PLICATION: | | |
| | tection of metal parts where a kaging is provided. | a soft, readily-removable film is desire | d and additional protective |
| 4. TEC | CHNICAL REQUIREMENTS: | | |
| sha | en ASTM methods are specif all be conducted in accordance IS 2350. | ied for determining conformance to th e with the issue of the ASTM method | e following requirements, tests listed in the latest issue of |
| 4.1 A | brasiveness: | | |
| С | compound shall not contain at | prasive substances. | |
| 4.2 T | oxicity: | | |
| | compound shall contain no ma njury to workmen engaged in a | aterials of known toxicity. The vapor s application of the compound. | hall not cause discomfort or |
| 4.3 C | Coverage: | | |
| | Compound shall provide a con onditions of storage in all clim | tinuous, completely protective film on nates. | metal parts under normal |
| 4.4 S | Setting: | | |
| | Compound as applied to metal 77 F \pm 7 (25 C \pm 3.9)). | I parts shall set to a firm, soft film in 2 | 4 hr at room temperature |
| 4.5 F | Removability: | | |
| | Compound shall be readily ren or by wiping with cloths satura | novable by dipping in, or spraying with ted with the solvent. | h, AMS 3160 petroleum solvent |
| | | | |

| • | AMS 3078B | SAE | AMS 3078B | | |
|---------|---|--|---|--|--|
| 4.6 C | Corrosion: | | | | |
| C n | Compound shall not corrode polished steel, copper, magnesium, aluminum, or cadmium plate when maintained in contact with those metals for 4 hr at 210 F \pm 2 (98.9 C \pm 1.1). | | | | |
| 4.7 F | Percentage of Nonvolatile Matter: | | | | |
| ti n | The percentage (by weight) of nonvolatile matter in each different compound shall be established on the approval sample in accordance with the following procedure. The percentage of nonvolatile matter for succeeding shipments shall not deviate from the established value by more than +5.0% and -1.0% of that value. | | | | |
| 4.7.1 | and contents heated fo | all be weighed to the nearest mg into a tai r 24 hr in an oven at 221 - 230 F (105 - 1 perature and reweighed, and the nonvola | 10 C). After heating, the dish shall | | |
| 4.8 F | Properties of Nonvolatile | Matter: | | | |
| t | Nonvolatile matter (either he solvent or the original to the following requirem | r that portion remaining from mixed compo I base compound from which the mixed co ents: | ound after complete evaporation of pmpound was made) shall conform | | |
| 4.8.1 | Melting Point: | 125 - 150 F (51.7 - 65.6 C) | ASTMD127 | | |
| 4.8.2 | Flash Point, Min: | 350 F (176.7 C) | ASTM D92 | | |
| 4.8.3 | Consistency: | 200 - 325 | ASTM D217 (See 4.8.3.1 | | |
| 4.8.3.1 | 1 Consistency sample shall be prepared as follows: After the melting point of the nonvolatile matter has been determined, the consistency tests shall be made on a sample that has been heated to 25 F degrees \pm 3 (13.9 C degrees \pm 1.7) above the melting point and poured at that temperature into a glass dish (100 x 50 mm) up to a height of 40 millimeters. The sample shall then be allowed to cool and set at a temperature of 77 F \pm 7 (25 C \pm 3.9) for 24 hours. | | | | |
| 4.8.4 | Ash Content: The ash content of the nonvolatile matter of each different compound shall be established on the approval sample in accordance with ASTM D482, using a 1 g sample. If the established value is 0.15% or less, the ash for succeeding shipments shall not exceed the established value by more than 20.0% of that value; if the established value is over 0.15%, the ash for succeeding shipments shall not deviate from the established value by more than \pm 10.0% of that value. | | | | |
| | | | | | |