



DEPARTMENT OF THE AIR FORCE
AIR FORCE RESEARCH LABORATORY
WRIGHT-PATTERSON AIR FORCE BASE OHIO 45433

MEMORANDUM FOR: AEROCHEM INC.
Attn: Mr. Christopher Hensley
501 N Douglas
Oklahoma City, OK 73106

7 Aug 09

FROM: AFRL/RXSSR
325 Richard Ray Blvd., Bldg. 165
Robins AFB GA 31098-1639

SUBJECT: USAF Qualification of AeroChem product "DeKote AF" per T.O. 1-1-8.

1. The supplier of this material has completed all requirements for their qualification to the Air Force's source documents (AF/WR-PD and T.O. 1-1-8).
2. Reference your 3rd party test reports performed by SMI Inc. Laboratory, our approved Lab.
 - a. Initial test report: SMI reference 0809-732_R, dated 14 Oct 08 (Product: DEKOTE AF).
 - b. 90-day (3-month) test report: SMI reference 0809-732_{SSR}, dated 13 Jan 09 (Product: DEKOTE AF).
 - c. 180-day (6-month storage stability) test report: SMI reference 0809-732_{SSR}, dated 13 Apr 09 (Product: DEKOTE AF).
3. We have reviewed the above test report results and performed a practical depaint operation on an aircraft component test panel and determined your product conforms to the Air Force Purchase Description (PD) source document "Remover, Non-Chlorinated Solvent type, for Difficult-To-Remove Finishes" document dated 03 Mar 98 modified 24 Mar 04) at Robins AFB GA and it qualifies/conforms to T.O. 1-1-8 requirements, with the following allowable exceptions:
 - a. Product pH was lower than PD requirement.
 - b. Product met all immersion corrosion weight loss requirements except magnesium.
 - c. Product viscosity was greater than between 10 and 40 poises.
4. Pending publication of a change to T.O. 1-1-8, this letter provides authority for procuring and/or use of "DEKOTE AF" Hydrogen Peroxide Activated Paint Remover in aircraft depaint operation, at Air Force depots or contractor operated facilities. This chemical depaint

material is prohibited from being used on any non-metallic substrates or components per T.O.1-1-8, paragraph 2.14, unless approved within weapon system specific technical orders.

5. The following statements are binding upon the manufacturer in accordance with Defense Standardization Manual 4120.24-M:
 - a. This document does not guarantee acceptance in any future purchase(s).
 - b. This document applies only to products in the plant specified in this letter of qualification/conformance and is effective at 8 a.m. local time of the qualifying activity as of the date of this notification.
 - c. This letter applies only to products identical to that qualified. The qualifying authority must be advised of any changes to the product's formulation or constituents. Failure to notify the qualifying authority of a change of the formulation is cause for removal from T.O. 1-1-8, regardless of the extent of the formulation change.
 - d. Any movement of the manufacturing plant or outsourcing of the blending of this product must be reported to the qualifying authority prior to it taking place and may require abbreviated testing to confirm the product still meets the Air Force source documents performance requirements, or be removed from qualification if discovered.
 - e. Our office can and may draw samples at random, or have a designated person, to ensure continual conformance. We will use one of the government or a certified commercial laboratory within or outside the government. This testing is to ensure these critical depaint products/materials identified within this letter and T.O. 1-1-8 do not cause damage to our critical weapon systems. They will be tested to the most current conformance requirements.
 - f. To remain on the approval list within T.O. 1-1-8, manufacturers must requalify their product(s) every 3 years. Failure to requalify will result in immediate removal of its T.O. 1-1-8 approval. What this means is, it's the manufacturer's responsibility to ensure their product gets lab tested and all 3 reports delivered to the qualifying authority before the last day of the month their approval lapses. This product's approval expires 36 months from the date of issue. This means your next set of 3 test reports are due to the qualifying authority by August 2012. Start as early as 7 months before to ensure testing is complete by August 2012.
6. Our POCs are Kimberly Andrews (AFCPCO) or Mac McKenna (AFCPCO-S&KT) at 63284\60558.



FRANKLIN L. DEMENT, LtCol, USAF
Chief, Air Force Corrosion Prevention & Control Office