



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

9 Aug 10

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

SUBJECT: USAF Qualification of AeroChem Product "Plane Naked" 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 (Air Force-Purchase Description and T.O. 1-1-8).
2. Reference your 3<sup>rd</sup> party test reports performed by SMI Inc. Laboratory, our approved Lab.
  - a. Initial test report: SMI reference 0904-297, dated 04 May 09 (Product: Plane Naked).
  - b. 90-day (3-month) test report: SMI reference 0904-297<sub>SS</sub>, dated 14 Aug 09 (Product: Plane Naked).
  - c. 180-day (6-month storage stability) test report: SMI reference 0904-297<sub>SS</sub>, dated 09 Nov 09 (Product: Plane Naked).
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.
4. Pending publication of a change to T.O. 1-1-8, this letter provides authority for procuring and/or use of "Plane Naked" 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, manufactures must requalify their product(s) every 3 years. Therefore, this product's approval will automatically expire 36 months from the date of issue. The manufacturer is responsible for ensuring their product get lab tested and all three required reports are delivered to the qualifying authority before the last day of the month their approval expires. We suggest you begin the requalification process as seven months prior to expiration to ensure testing is completed by August 2013.
6. Our POCs are Mr. David Ellicks (AFCPCO) or Mr. Mac McKenna (AFCPCO-S&KT) at 478-926-3284\67701\69109.



Carl J. Perazzola, DR-III, USAF  
Chief, Air Force Corrosion Prevention & Control Office