



Release Notification Date: 07/31/2023

SPM 70-00-99 S0001 - CONSUMABLE MATERIALS - 50:50 NITRIC ACID STRIPPING SOLUTION

DISCLAIMER

The Incremental Changes published by GE Aviation are considered Instructions for Continued Airworthiness. These Incremental Changes, along with the current Manual revision and published Temporary Revisions, constitute the latest Instructions for Continued Airworthiness.

GE Designated: -CONFIDENTIAL-

The information contained in this document is GE proprietary information and is disclosed in confidence. It is the property of GE and shall not be used, disclosed to others or reproduced without the express written consent of GE, including, but without limitation, it is not to be used in the creation, manufacture, development, or derivation of any repairs, modifications, spare parts, designs, or configuration changes or to obtain FAA or any other government or regulatory approval to do so. If consent is given for reproduction in whole or in part, this notice and the notice set forth on each page of this document shall appear in any such reproduction in whole or part.

This technical data is considered subject to the Export Administration Regulations (EAR) pursuant to 15 CFR Parts 730-774. Transfer of this data by any means to a Non-U.S. Person, whether in the United States or abroad, without the proper U.S. Government authorization (e.g., License, exemption, NLR, etc.), is strictly prohibited.

Copyright (2023) General Electric Company, U.S.A.

HIGHLIGHTS

HIGHLIGHT REFERENCE DESCRIPTION OF CHANGE

tk70-00-99-800-001 Technical Change: Added reference to commercial products recommended for de-smutting.

TASK 70-00-99-800-001

1. Composition

- A. The following commercial products are recommended for the removal of silver and copper-nickel-indium thermal spray coating. This process is satisfactory for use on A286, Inco 718, and titanium parts.
- B. The following commercial products are also recommended for de-smutting purpose in TASK 70-23-15-110-030, Stripping Anodized Coating from Aluminum. The process is satisfactory for use on aluminum parts. The process must be applied in a separate tank for this purpose only.

Description	Consumable No.	Concentration (Initial Mix)
Nitric acid, 67 to 70 wt %	C04-072	50% v/v

NOTE: If a different concentration is used, the volume must be adjusted to obtain the same weight of acid per unit volume.

2. Preparation

Subtask 70-00-99-809-051

WARNING: NITRIC ACID IS TOXIC. DO NOT LET THIS MATERIAL TOUCH YOU. USE PERSONAL PROTECTION EQUIPMENT. USE VAPOR/FUME CONTROL OR A RESPIRATOR.

WARNING: OPERATOR SHOULD WEAR FACE SHIELD, GLOVES, PROTECTIVE CLOTHING, AND PROTECTIVE SHOES.

WARNING: DO NOT POUR WATER INTO CONCENTRATED ACID. THE HEAT OF THE REACTION WILL CAUSE BOILING AND SPATTERING.

- A. Add the required volume of water to the tank.
- B. Add the nitric acid C04-072 slowly and carefully while stirring the solution to mix.
- C. Allow the solution to cool to the operating temperature.

3. Regeneration

Subtask 70-00-99-809-052

A. Replace the solution when it loses its effectiveness.

NOTE: Additions of nitric acid are not recommended. Stripping time will increase and dissolved solids will build up with extended use. Replace the solution when this occurs.

B. When used for stripping silver, the solution will have dissolved a significant quantity of metal by the time it is exhausted. Reclaim the silver before disposing of the solution.

GE Designated: - CONFIDENTIAL Subject to the restrictions on the media