

SUR-PREP® PENETCH™ HFN

KIT

Page 1 of 3

Product description: **APPLICATOR ETCHANT**

FEATURES:

- ▶ Allows a controlled application of the **acid etchant** for inspection of **titanium alloys** and **fan blades**
- ▶ **Shelf stable package** which can be stored at the **point of use** until **ready to be used**
- ▶ Easy to mix and use
- ▶ Has a **pot life** of **30 days** from the day it was mixed

KEY BENEFITS:

- ▶ Minimum exposure to chemicals
- ▶ Can be stored **long term** until needed for use
- ▶ **Shelf life** starts upon **mixing Sur-Prep® PenEtch™ HFN components** to maximize its effectiveness and **time for usage**

SPECS:

- Boeing Task 70-43-24-100-801-G00 Class B Call Out



Rev: 20084K
07-20-2026

SUR-PREP® PENETCH™ HFN

KIT

Page 2 of 3

Product description: **APPLICATOR ETCHANT**

APPLICATIONS:



- ✓ Use on **titanium** and **titanium alloys**, such as **fan blades**
- ✓ Follow **PPE** and **protection guidelines** called out in **Boeing Task 70-43-24-100-801-G00 Class B**

Directions For Sur-Prep® PenEtch™ HFN Kit Usage

- 1.) Make sure that **primary plastic pen structure** is **secured**
 - 2.) **Remove black screw top lid** from the **plastic pen** and **discard it**
 - 3.) **Remove the nitric solution black screw top** from the **glass bottle**
 - 4.) **Pour nitric acid solution** from the **glass bottle** into the **plastic primary pen structure**
 - 5.) **Attach Dauber screw top** with the **plastic snap** to the **plastic primary pen structure on cap** and **secure it**
 - 6.) **Agitate the contents** of the **Sur-Prep® PenEtch™ HFN** in a **controlled manner** for **1 minute**
 - 7.) Properly **discard shipping caps** and **glass nitric acid bottle**
 - 8.) Follow **Sub Task 70-43-24-110-003-G00** for proper **etching procedures**
- ✓ Refer to the **Sur-Prep® PenEtch™ HFN application manual** for detailed application instructions. This **manual** can be obtained by reaching out to your **Zip-Chem® rep** for a copy of this **document**.
 - ✓ Store the **Sur-Prep® PenEtch™ HFN** in the **original unopened containers**. Keep **containers closed** when not in use and protect **Sur-Prep® PenEtch™ HFN** from **direct sunlight**.

SUR-PREP® PENETCH™ HFN

KIT

Page 3 of 3

Product description: **APPLICATOR ETCHANT**

PHYSICAL PROPERTIES:

- ▶ **Boiling Point:** 212°F (100°C)
- ▶ **Color:** Colorless
- ▶ **Density:** 1.03-1.40 grams/mL
- ▶ **pH:** < 1
- ▶ **Physical State:** Liquid
- ▶ **Shelf Life:** 2 Years From Date Of Manufacture
- ▶ **Viscosity (Dynamic):** < 5 cP
- ▶ **Viscosity (Kinematic):** < 4.386 mm²/s

AVAILABLE PACK SIZES:

- ▶ Kit comes with a Case of Pens-103885



For more information contact us :
zipchem@addevmaterials.com



Part of

**ADDEV MATERIALS**