TECHNICAL DATA SHEET

CH3003

Code 6300

Environmentally Friendly, Acid Activated Aircraft Paint Stripper

DESCRIPTION

Callington CH3003 is a fast environmentally friendly, low odour, acid-activated, thixotropic paint stripper that effectively strips typical aircraft paint/primer systems like polyurethane, epoxies, epoxy primers etc.

FEATURES & BENEFITS

- Environment-friendly paint stripper with lower risks for environment, health, and safety
- Made with biodegradable, low odour, low VOC solvents
- Does not contain methylene chloride, NMP, phenols, amines, nitrites, phosphates, or chromates
- Thixotropic - clings well to vertical, inclined, and overhead surfaces
- Slow evaporation and effective paint stripping
- Safe on aircraft metals including aluminium, steel and titanium

APPROVALS AND CONFORMANCES

Callington CH3003 has been tested and qualified to the following specifications.

- Meets Immersion Corrosion Test of BSS7432 (except magnesium, high-strength steel and cadmium plated steel)
- Meets Immersion Corrosion of AMS 1376B for Aluminium Alloys and Titanium Alloys
- Meets MIL-R-81903A
- Conforms to Douglas CSD1
- ASTM F 945
- ARP 1755B

APPLICATION

Before Stripping:

1. Thoroughly clean all paint stripping equipment (spray guns, pots, pumps and pressure hoses, etc.) per the equipment manufacturer's recommendations.
2. Use a dedicated pump when applying stripper to aircraft.
3. **Optimum results are achieved with temperatures between 18ºC (65F) and 29ºC (85F).**
4. Remove all oil and dirt by washing aircraft with a Callington exterior alkaline cleaner (e,g, CH087, CH511C, CH8150HG), or equivalent, before stripping. Rinse the surface with water to ensure it is clean and free of alkaline residue before treating with a stripper.
5. Allow surface to completely dry before stripping.
6. **Before applying the stripper, mask or cover any sensitive areas that may be damaged by CH3003 for example: rubber, composite parts, landing gear, windows, seals, electronics, high strength steel, magnesium, cadmium plated steel or plastics. This must be done in**

accordance with standard aeronautical specifications and requirements of acid strippers detailed in the plane type OEM manuals.

7. Best results will be obtained if the paint surface is sanded before application.

Stripping Procedure:

1. Spray or brush CH3003 onto the surface to be stripped.
2. Apply an even coat of CH3003, starting from the bottom of the aircraft and working upward. The recommended thickness of application is two times the thickness of the paint coat, for example if the paint coat is 4mil in thickness, apply product to approximately 8mil of thickness.
3. Pay close attention to directing the product into areas where the panels overlap.
4. Keep the surface wet with CH3003 until the paint starts to buckle.
5. Allow for sufficient contact time depending on the ambient temperature, humidity, paint system and thickness of paint to be stripped (typically 1 – 3 hours, or longer for tough coatings).
6. When the paint is starting to lift, apply compressed air to, or use a brush on, the surface to remove any loose paint.
7. Reapply CH3003 paint stripper to leftover painted areas as required. **Avoid application to bare metal surfaces.**
8. When all paint is lifted, agitate the surface to remove all loosened paint and any residual stripper.

After Stripping:

1. After finishing the stripping process, collect stripper and paint residue into clean plastic waste bins for disposal as solid waste according to local trade waste regulations.
2. **Apply an alkaline cleaning solution (e.g. CH087, CH511C, CH8150HG), to effectively remove any contaminants or paint stripper residue.**
3. Finally, rinse the surface with high pressure water to ensure all traces of acid and cleaning solution have been removed.

SUITABLE EQUIPMENT

CH3003 can be used with suitable spray pumps, for example a high pressure (5:1 or 10:1) air activated spray pump, coupled with high pressure hose and spray wand, using a fan size tip nozzle.

For more information, please call your nearest Callington representative.

HANDLING PRECAUTIONS

Mixing or cross-contamination of acid-activated strippers with hydrogen peroxide activated stripper can be highly corrosive to aluminium.

If a peroxide-activated stripper is used initially to strip paint, but it's necessary to then use an acid-activated stripper (or vice-versa) to remove residual paint/primer, the aircraft must be thoroughly washed down with water to remove all residue of the initial stripper before applying the alternative stripper.
The aircraft should be allowed to dry after washing before applying paint stripper.

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SAFETY PRECAUTIONS

Read the Material Safety Data Sheet before use.

Causes severe skin burns and eye damage. CH3003 is an acid activated product and is corrosive to skin and eyes. May cause an allergic skin reaction. If any skin contact occurs, flush with water for 15 minutes, then wash with soap and water.
CH3003 should always be used with adequate ventilation and proper safety equipment, including full-face shield, rubber apron, boots, and gloves. Do not breathe vapour/mist.
Contaminated work clothing should not be allowed out of the workplace.
CH3003 must not be used on magnesium or high-strength or cadmium plated steel.

STORAGE AND DISPOSAL

Store CH3003 in its original container in a cool, well-ventilated place away from direct sunlight at temperatures 10ºC to 30ºC. Thoroughly rinse spent drums before disposal in accordance with local regulations.

ORDERING INFORMATION

Product Code	Packaging	Units/Carton
6300/51	20 litres	Each
6300/64	200 litres	Each

PHYSICAL PROPERTIES

Appearance:	Green viscous opaque liquid
pH:	2.0 +/- 0.5
Shelf-life:	Minimum 24 Months (when stored as directed)

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