

# Aviation Essentials



**The right product at the right place**

*High Technology Cleaning Solutions for Maintenance,  
Repair and Overhaul of Aircrafts*



## Exterior washing



A 1122

### Silicone free polish Aircraft Polish

**One-step cleaner and polish.** Removes stains and marks from aircraft surfaces as well as scale and traffic film from windscreens. **Provide long term protection** to all paintworks. Leaves clean and smooth lustrous surfaces to enhance corporate

image. **Odourless, non-toxic.** Non-flammable. **Colour:** Light brown

**Approvals/Conformances:**  
AMS 1531B, Fokker.



A 1122 J1	5L x 4
A 1122 O2	25L

A 4423

### Exterior aircraft cleaner I Economical Exterior Cleaner

**General Purpose detergent,** designed for cleaning aircraft exteriors using wet washing and foam cleaning methods. Contains no chromates or other heavy metals. **Safe on all exterior and painted surfaces.** Streak free after rinsing. **Biodegradable.** Non-flammable.

**Dilution:** up to 1:10  
**Colour:** Clear yellow, **pH (1%):** 10.8

**Approvals/Conformances:**  
AMS 1526B, Boeing D6-17487 Rev. L, MIL-C-87937B Type I, Fokker.



A 4423 O2	25L
A 4423 U2	205L

A 4553

### Heavy duty aircraft cleaner Thickened Heavy Duty Cleaner

Viscous **heavy duty water based detergent.** Formulated for the removal of **oily soils, grease & carbon** from bare metals and painted surfaces. Effective on landing gear, under belly, wheel wells flap bays. **Safe on all metal parts.** Non-flammable.

**Dilution:** up 1:10  
**Colour:** Green Liquid, **pH:** 9.9

**Approvals/Conformances:**  
AMS 1533A.



A 4553 O2	25L
A 4553 U2	205L

A 4935

### Exterior aircraft cleaner II Concentrated Exterior Cleaner

Viscous **water based cleaner** for the **removal of soils** from the exterior surfaces of aircraft. Can be used for all applications, including flap bays, wheel wells etc. **Safe on all exterior surfaces & paints.** Residue free. Non-flammable.

**Dilution:** up to 1:20  
**Colour:** Light yellow, **pH:** 12.1

**Approvals/Conformances:**  
AMS 1526B, Boeing D6-17487 Rev. L, Fokker.



A 4935 O2	25L
A 4935 U2	205L

## Cabin interior



A 3180

### Glass act Window Cleaner

**Ammonia free mirror and window cleaner.** Quickly **removes dirt and soil from glass and glazed surfaces** leaving sparkling surfaces without buffing or polishing. **No streaking or smudging.** Safe on surrounding paintwork and furniture. Non-flammable.

**Dilution:** up to 1:80  
**Colour:** Clear pale green, **pH:** 10

**Approvals/Conformances:**  
AMS 1534A, Boeing D6-17487 Rev. L.



A 3180 J1	5L x 4
A 3180 O2	25L

A 3220

### Sunshine General Purpose Cleaner

Premium grade **universal detergent** that works effectively on all aircraft interiors surfaces: galley, toilets, walls etc. **Harmless to all metals, paint, fabrics, glass, rubber etc.** Non-slip finishing, rinses right away. Spray, Swab or Wipe On/Off. Non-toxic. Non-flammable.

**Dilution:** up to 1:50, **Colour:** Clear blue, **Odour:** Lemon, **pH (10%):** 7.2

**Approvals/Conformances:**  
AMS 1550B, Boeing D6-17487 Rev. J, Douglas CDS#1 Issue 1989, Fokker.



A 3220 J1	5L x 4
A 3220 O2	25L
A 3220 U2	205L

A 3746

### Breeze spice Cabin Deodoriser

Concentrated odour counteractant and reodorant. **Eliminates offensive odours in cabin and toilet** leaving a fresh pleasant fragrance. Non-flammable.

**Colour:** Reddish orange  
**Odour:** Spice, **pH:** 8.5

A 3746 J1	5L x 4
A 3746 O2	25L

A 3471

### Noviruclean Viricidal Sanitiser

**Powerful spray and wipes disinfectant cleaner. Reduces surface contamination by bacteria and SARS type virus.** Effective all internal aircraft surfaces: galley surfaces, toilet cubicles & components etc. Recommended as a soak cleaning for recirculating toilet tanks. Suitable for both onboard and workshop use.

**No rinsing required.** Non-flammable.  
**Dilution:** up to 1:200  
**Colour:** Clear, **pH:** 8.6

**Approvals/Conformances:**  
AMS 1453 (dilution 1:30)



A 3471 O2	25L
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## Ground service equipment & workshop



### A 3120 Bulldog gold Vehicle Wash

**Heavy duty detergent cleaner**, designed to remove dirt, soils, and road grime from light / heavy vehicles as well as handling equipment. **Suitable for use in automatic car and truck wash installations. High**

**foaming action does not leave streaks. Safe on all metals**, paintwork, chrome glass and plastic curtains. Non-flammable. **Dilution:** up to 1:50 **Colour:** Clear Yellow, **pH (1%):** 9.6

A 3120 O2	25L
A 3120 U2	205L

### A 8300 Solvent wipe II Fast Dry Solvent

**Quick drying solvent. Removes dust, oil, grease and general soils** from component and engine parts. Effective on brake, wheel bay areas, control flaps etc. **Safe on aircraft metals** with care on some paint and plastic surfaces. **Leaves no residue.** Use as supplied for cleaning by hand or immersion. **Colour:** Colourless

**Flash Point:** 24°C (TCC)

**Approvals/Conformances:** Boeing D6-17487 Rev. L, Douglas CSD # 1 issue 1988, Fokker, Honeywell, Rolls Royce 1/257B

A 8300 O2	25L
A 8300 U2	205L

### A 3110 Tango Heavy Duty Hand Cleaner

**Heavy duty hand cleaner**, formulated from naturally occurring citrus oils. **Removes the roughest greases and oils from hands** and body. Contains **polymeric beads** to give gentle action

and **lanolin to minimise skin irritation.** Maintenance workshops, industry, engineering, garages etc. **Colour:** Pale Orange, **pH:** 7.2

A 3110 S5	19KG
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### A 3010 Luxury hand soap Gentle Hand Cleaner

**Smooth hand washing lotion for excellent mild cleaning.** Excellent cleaning properties. **Contain emollient to keep the skin supple.** For use in all

work environment and public washrooms, pleasant colour and aroma. **Colour:** Pearly Blue, **pH:** 7

A 3010 J1	5L x 4
A 3010 O2	25L

## Innovation in our laboratories



*"In a market characterized by a constant stream of aviation products, innovation more than ever is the key to success. Research has always been and will continue to be our strategic priority to safeguard our future."*

Since 1942, **APPLIED - ORAPI Group** has been understanding and anticipating the requirements of the aviation industry. Providing mechanical and maintenance engineers, Technologically Advanced Solutions, to improve process cleaning efficiency and reduction of operation costs without compromising quality and standards.

### Conformance

The high quality and manufacturing standards of **APPLIED** products are continually confirmed by major O.E.M. corporations (Goodrich, Allied Signal, Honeywell, G.E., Pratt & Whitney, Rolls Royce etc), and tested by independent certification bodies, such as: ISO standards - **9001 & 14001**, military standards - **NATO, US MIL**, aeronautic standards - **ASNA, AIMS, AMS, BOEING D6.**

These audits and certifications often award **APPLIED** the top grades, while respecting the standards of high quality in terms of products and technology.

### International Network

With a distribution coverage in more than 100 countries and manufacturing facilities in major continents, **APPLIED - ORAPI Group** is able to provide local support and expert resources backed by a worldwide International Organisation.

### Safety & Environment

**APPLIED** is committed to safety and the environment. Our goal is to provide technological innovations with no harm to the public health and the environment.

## Waste line maintenance treatment



### A 2225 Aircraft vacuum line treatment Toilet Line Descaler

Acid based detergent cleaner effective to **prevent the build-up of soil deposits in vacuum toilets systems**. Prevents the narrowing of vacuum pipes and **reduces the risks of blockage**. Application should be conducted every seven days.

Non-flammable.  
**Colour:** Clear blue liquid, **pH:** 1.5

**Approvals/Conformances:**  
Airbus N.T.O., Boeing N.T.O., B.A.E.

A 2225 I2	2L x 6
A 2225 O2	25L

### A 9023 Drain guard Galley Line Cleaner

Liquid cleaner based on bacteria and enzymes. **Prevents pipes blockages and malodours caused by the accumulation of organic deposits and bacteria** due to the disposal of beverages coffee, milk,

juice and carbonated drinks in galley lines. Preventative daily treatment, reduces the need for mechanical cleaning. Non-corrosive, non caustic.  
**Colour:** Pink - Orange, **pH:** 7.5

A 9023 I2	1L x 12
A 9023 J1	5L x 4
A 9023 O2	25L

### A 3466 Novirusac gel Viricidal Toilet Sanitiser

New technology water-soluble gel for recirculating & vacuum toilet systems. **Produces a pleasant perfume for effective odour control and viricidal, bactericidal treatment.** Viricidal against: Hep B, HIV (AIDS), Herpes Simplex. Bactericidal against gram positive and negative strains. Non-flammable.

**Dilution:** 1:200 for initial treatment, then 1:1000 **Colour:** Dark blue, **Odour:** Fruity floral, **pH:** 9.5 (1:200 dilution)

**Approvals/Conformances:**  
AMS 1476B, Boeing D6-17487 Rev. P, B.A.E.

A 3466 H5	20gm x 200 (water soluble sachets)
A 3466 H7	40gm x 96 (water soluble sachets)
A 3466 O2	25L

### A 3479 Novirusol Viricidal Liquid Toilet Treatment

Pleasantly perfumed liquid for effective odour control in recirculating & vacuum toilet systems. Viricidal action against Hep B, HIV (AIDS), Herpes Simplex. Bactericidal against gram positive and negative strains. Non-flammable. **Dilution:** 1:50 for initial

treatment, then 1:200, **Colour:** Dark blue, **Odour:** Fruity floral, **pH:** 8.9 (1:50 dilution)

**Approvals/Conformances:**  
AMS 1476A

A 3479 J1	5L x 4
A 3479 O2	25L

## Component overhaul



### A 4204 Aqueous degreaser Wheel and brake Cleaner

**Concentrated degreaser for oil and grease removal.** Use in immersion or agitation tanks, spray washing or manual cleaning. **Safe on most metals, paints and plastics surfaces.** Recommended for all components and engine parts, landing gears, wheel hubs etc. Suitable for galley ovens and surrounding. Non-flammable.

**Dilutions:** up to 1:4, **pH:** 10.9  
**Colour:** Clear pale

**Approvals:** AMS 1537A, ARP 1755B, ASTM F945, Goodrich, Allied Signal, Honeywell, Pratt & Whitney PWA 36604 (Appendix A) Rev. 07/97, Pratt & Whitney SPMC 138.

A 4204 O2	25L
A 4204 U2	205L

### A 8000 Solvent wipes I Non Flammable Cleaner

**Low odour solvent, designed to degrease and remove light & heavy soils** from component and engine parts, electrical & electronic systems. **Safe on aircraft metals** with care on some paint and plastic surfaces. **Leaves no residue.** Suitable for immersion,

wipe or spray application. **Colour:** Clear, **Flash Point:** 62°C (TCC)

**Approvals:** BAE ABR9-0140 Type 2, Rolls Royce 1/257C

A 8000 O2	25L
A 8000 U2	205L

### A 8300 Solvent wipes II Fast Dry Cleaner

**Quick drying solvent. Removes dust, oil, grease and general soils** from component and engine parts. Effective on brake, wheel bay areas, control flaps etc. **Safe on aircraft metals** with care on some paint and plastic surfaces. **Leaves no residue.** Use as supplied for cleaning by hand or immersion.

**Colour:** Clear, **Flash Point:** 24°C (TCC)

**Approvals/Conformances:**  
Boeing D6-17487 Rev. L, Douglas CSD # 1 issue 1988, Fokker, Honeywell, Rolls Royce 1/257B.

A 8300 O2	25L
A 8300 U2	205L

### A 2329 Silicone remover Adhesive Cleaner

Water soluble solvent, for **removal of silicone sealants, adhesives & resins** from aircraft components in cold tank applications. **Safe on aluminum, magnesium, titanium and other metals.** Can be rinsed with water or solvent.

**Colour:** Red, **Flash Point:** 45°C (PMCC)

**Approvals/Conformances:**  
Boeing D6-17487 Rev. P

A 2329 O2	25L
A 2329 U2	205L

## Engine overhaul



### A 5840 Alkaline deruster & descaler Immersion Scale & Corrosion Remover

Powdered **caustic cleaner**. Removes **rust, heavy carbon deposits, a host of organic coating and heat modified metallic oxides from ferrous metals**. Used as one of a multi-stage cleaning process for the removal of heat scale and oxide formations from high temperature alloy jet engine components.

Non-flammable. **Colour:** white

**Approvals/Conformances:**  
ARP 1755B, ASTM F 945, G.E. Aircraft Engines, Pratt & Whitney SPMC 200, Garret. Allied Signals.

A 5840 S5	20KG
A 5840 U1	200KG

### A 2690 Acidic cleaner/inhibited rust remover Immersion Scale & Corrosion Remover

Concentrated **acidic cleaner for effective removal of rust from iron and steel and conditioning scale** for subsequent removal treatment. Removes "white-rust" from galvanised and aluminium surfaces. Cleaning process should be preceded by alkaline permanganate (A 5770) or alkaline (A 5840)

treatment. **Concentration:** 30% - 50% v/v, **Colour:** White, **pH (1% ):** 2.0

**Approvals/Conformances:**  
ARP 1755B, G.E. Aircraft Engines, Pratt & Whitney SPMC 21, Allison Engine.

A 2690 O2	25L
A 2690 U2	205L

### A 2751 Acidic scale conditioner Immersion Scale & Corrosion Remover

Powdered **sulphamic acidic cleaner**. Effective for **removal of complex metallic scales from jet engine components** in part of a multi-stage process. Treatment should be preceded by alkaline rust remover (ie A 5840).

**Concentration:** 65 - 75 g/L  
**Colour:** Off White

**Approvals:** AMS 1476B, Boeing D6-17487 Rev. P, B.A.E.

A 2751 S5	20KG
A 2751 U1	200KG

### A 5770 Alkaline permanganate scale conditioner Immersion Scale & Corrosion Remover

Powdered **permanganate cleaner**. Used as one part of a multi-stage process for the **removal of complex metallic scales from jet engine components**. Used subsequently to alkaline (A 5840) or acidic treatment (A 2690). Safe on steel and other relevant metals. Non-flammable.

**Colour:** Deep purple

**Approvals/Conformances:**  
ARP 1755B, G.E. Aircraft Engines, Pratt & Whitney SPMC 202, Garret.

A 5770 S5	20KG
A 5770 U1	200KG

## Paint stripping / Corrosion Inhibitor Compound cleaning



### A 8770 Alkaline deruster & descaler Decarboniser/paint stripper concentrated

Powerful 2 phases solvent system, designed to remove carbonised oil and grease, paint, rubber moulds, adhesives and synthetic finishes from components and engine parts. Safe on all metals. Use by immersion at ambient temperature without agitation. Non-flammable.

**Colour:** Dark Brown

**Approvals/Conformances:**  
Pratt & Whitney SPMC 41.

A 8770 U2	205L
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### A 8758 Phenolic paint stripper Heavy Duty Paint Remover

Viscous liquid, designed to **remove polyurethane, epoxy, enamel & coating from aircraft exterior painted surfaces**. Apply to clean surface, allow paint to soften, scrape away and rinse with high pressure water. Non-flammable.

**Colour:** Yellow

**Approvals/Conformances:**  
AMS 1375B

A 8758 U2	205L
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### A 8759 Non phenolic paint stripper Paint Remover

Ammonia activated **viscous stripper**, formulated to **remove polyurethane, epoxy, enamel & coating from aircraft exterior painted surfaces**. Apply to clean surface, allow paint to soften, scrape away and rinse with high pressure water. Non-flammable.

**Colour:** Amber yellow

**Approvals/Conformances:**  
AMS 1375B, Boeing N.T.O.

A 8759 U2	205L
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### A 8293 Citrikleen X520 Environmentally Friendly CIC Remover

Powerful solvent, formulated from naturally-derived citrus oils. **Quickly dissolves oils, greases, adhesives and waxes** from aircraft components. Recommended for **removing corrosion inhibition compound as well as contact adhesive on aircraft surfaces**. **Safe all metals** with care on some paint and plastic surfaces. **Leaves no residue**. Use as wipe on/wipe off or by tank immersion.

**Colour:** Pale yellow,  
**Flash Point:** 45°C (TCC)

**Approvals/Conformances:**  
Boeing D6-17487 Rev. P

A 8293 O2	25L
A 8293 U2	205L

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