

Aviation Essentials



The right product at the right place

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



Exterior washing



A 1122 Silicone Free Polish Dry Wash Cleaner & Polish

Fast and easy one-step cleaner and polish designed to remove stubborn stains, contaminations, brake dusts, insects and traffic films from aircraft painted surfaces. Provides **long lasting protection** to all paintworks. High gloss finish to maintain & restore shiny

appearance. Residue free. UV protectant. Anti-static. Non-abrasive. Non-flammable, Odourless. **Colour:** Light Brown

Approvals/Conformances:
AMS 1531B, Fokker



A 1122 J1	5L x 4
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A 4423 Aviokleen 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 1:20
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 4935 Aviokleen II Concentrated Exterior Cleaner

Viscous **water based cleaner** for the **removal of soils** from exterior aircrafts surfaces. Suitable for **wet wash and dry cleaning application:** flap bays, wheel wells, fuselage etc. **Safe on all exterior and painted surfaces.** Residue free. Non-flammable.

Dilution: up to 1:20
Colour: Light yellow, **pH:** 12.1 ± 0.3

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



A 4935 O2	25L
A 4935 U2	205L

A 4553 Aviokleen HD 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 ± 0.1

Approvals/Conformances:
AMS 1533A.



A 4553 O2	25L
A 4553 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 F6	500ML x 6 (RTU)
A 3180 J1	5L x 4

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%):** 6.5 ± 0.5

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 3952 Relion Interior Polishing Cleaner

Premium quality polishing cleaner which give an **outstanding shine to hard surfaces in aircraft interiors.** Suitable for all surfaces including leather and naugahyde seats, laminate, plastic and polycarbonate surfaces. Dries to a non-greasy finish, delicate fragrance, non-flammable. **pH:** 7.7 ± 0.3

Approvals/Conformances:
Boeing D6-7127 Revision P, FAR Electronic Code of Federal Regulations, Part 25, Appendix F



A 3952 F6	500ML x 6
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A 7883 Kleenzyme Biological Multi-surface Cleaner / Deodorizer

Liquid cleaner based on micro-organisms and enzymes designed to **clean and deodorize cabin, seats upholstery, carpets, toilet floors, vomit etc.** 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 line. Preventative daily treatment reduces the need for mechanical cleaning. Non-corrosive. **Colour:** Opaque light green, **pH:** 7.5 ± 0.5

Approvals/Conformances:
AMS 1550B



A 7883 F6	500ML x 6
A 7883 J1	5L x 4

Waste line maintenance treatment



A 2225 Vactreat 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 dark green, **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 3471 Noviruclean Viricidal Sanitiser

Powerful spray and wipe disinfectant cleaner. Reduces surface contamination by bacteria and SARS type virus. Effective on 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 (10%):** 9.3 ± 0.5

Approvals/Conformances: AMS 1453 (1:30), Boeing D6-7127 (1:30)

A 3471 F6	500ML x 6 (RTU 1/30)
A 3471 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 (0.5%):** 9.5 ± 0.2

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 Wheelie 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 SPOP 209.

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 Silicon-off Adhesive Cleaner

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

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

Approvals/Conformances: AMS 1386A, G.E. SPM 70-23-20, G.E. SPM 70-23-59, Pratt & Whitney SPOP 254

A 2329 O2	25L
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Engine overhaul



A 5840 Engikleen Immersion Alkaline Deruster & Descaler

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 Immerkleen Immersion Acidic Cleaner / Inhibited rust remove

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:** Colourless

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

A 2690 O2	25L
A 2690 U2	205L

A 2751 Scalite Immersion Acidic Cleaner Conditioner

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: Golden Yellow

Approvals/Conformances:
ARP 1755B, G.E. Aircraft Engines, Pratt & Whitney SPMC 201, Allied Signals.

A 2751 S5	20KG
A 2751 U1	200KG

A 5770 Scalex Immersion Alkaline Permanganate Scale Conditioner

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



D 3062Y UltraTak XL Heavy Yellow Cleaning Wipe for finishing & Painting Operations

Resin impregnated textile cleaning wipe, designed to remove & collect dust, dirt, fibres, hair and other particles from prepared surfaces prior to finishing, painting or enhancement. **Non-woven polyester, lint free, High dirt absorbency, prevents re-deposition of dirt**. Contains no solvent. Strong, tear resistant.

Size (unfolded): 40cm x 60cm
Cloth weight: 52g/m²
Colour: Yellow

Approvals/Conformances:
AIRBUS CMS 9352697827

D 3062 Y	50 sachets of 10 wipes
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A 8770 Carbex 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 Paint strip P 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 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: Clear colourless
Flash Point: 45°C (TCC)

Approvals/Conformances:
Boeing D6-17487 Rev. P

A 8293 J1	5L x 4
A 8293 O2	25L

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:** Bright fluorescent Yellow **pH (1 %):** 9.6 ± 0.3

A 3120 O2	25L
A 3120 U2	205L

O 800 Reduce 4 High Performance Release Agent

Fast acting penetrating agent, developed for mechanical parts exposed to harsh conditions. **Cleans, penetrates, dissolves rust, lubricates and protects.** Provides a water-repellent and phosphate coating. Suitable for very seized assemblies, bolts, nuts, screws, threads, pulleys. Frees corroded parts without thread damage.

Contains no silicone. **Non-flammable. Colour:** Colourless **Flash Point:** >60°C

Approvals/Conformances:
Boeing D6-17487R,
Airbus AIMS 09-00-002,
US MIL G234111



O 0800 A2	Aerosol 250ML x 12
O 0800 J1	5L x 4

A 8370 Emsol Emulsifiable Solvent Degreaser

Concentrated **solvent degreaser** blend of aromatic solvents and biodegradable surfactant, **formulated for the removal of heavy soils, fuel oils, tars, heavy greases and tenacious lubricants.**

Safe on metals, glass stone, concrete and most paints. Care to be taken on certain paint, plastic and rubber, tar & asphalt materials. Non flammable. **Dilution:** up to 1:8. **Colour:** Amber.

A 8370 O2	25L
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M 7758 Magnus® 758 Runway Cleaner

Non-phenolic solvent degreaser, designed to remove rubber deposits from asphalt concrete and Portland cement concrete airfield pavements. **Dissolves rubber, paints, carbonized paint, grease,**

and sludge from metal surfaces. Leaves no oily residue. Safe on aluminium and steel. Economical. **Dilution:** up to 1:3, **Colour:** Yellow, **pH:** 11

M 7758 O2	25L
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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, Boeing, 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.**

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ORAPI is committed to ensure safety and developing products that are environmental friendly. Our goal is to provide technological innovations which are safe to the public health and maintaining the quality of the environment.

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