



## **ENSURING AIRCRAFT PERFORMANCE AND LONGEVITY**

CORROSION INHIBITORS, LUBRICANTS,  
SURFACE PREPS, CLEANERS & SPECIALTY PRODUCTS





Corrosion inhibitors, Lubricants,  
Surface preps, Cleaners  
& Specialty products

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**« Zip-Chem's mission is to address the unique technological challenges of modern aviation with exacting chemical formulations supplied through innovative packaging and product delivery systems. »**

*Chuck Pottier, Zip-Chem's President*

As a result, Zip-Chem's aviation products deliver superior performance while controlling costs, reducing waste and addressing environmental concerns.



**MILITARY AND COMMERCIAL SPECIFICATIONS**



Please refer to our website for latest qualifications - [www.zipchem.com](http://www.zipchem.com)





## Cor-Ban®

corrosion inhibiting compounds

- ▶ A line formulated for the demanding specifications of aviation maintenance
- ▶ For use on large structural components, small parts, avionics and cables
- ▶ Formulations for heavy-duty use and long-term storage



## Sur-Prep®

surface preparation & avionics cleaners

- ▶ A line of avionics and general-purpose surface preparation cleaners
- ▶ Offer specific performance advantages in cleaning efficiency, flammability, VOC's and other related environmental concerns



## Aero-Lube™

lubricants & lubricating compounds

- ▶ A line of aircraft lubricants
- ▶ Includes multi purpose greases, silicones, molybdenum disulfide, and graphite lubricants
- ▶ Available for high temperature areas, applications requiring penetrating lubricants and prevention of ice build-up on rubber seals



## Calla®

aircraft cleaners & disinfectants

- ▶ A line of aircraft cleaners and disinfectants for interior and exterior cleaning
- ▶ Includes large surface cleaners for the exterior of the aircraft, parts cleaners, glass cleaners, degreasers, dry wash, polishing products, disinfectants, odor neutralizers and **US EPA Safer Choice** approved cleaners



## Aircraft Specialty Products

- ▶ A line of chemical and non-chemical products that are for specific aircraft applications
- ▶ Heat transfer fluids and high temps products



# Cor-Ban® corrosion inhibiting compounds

## Structural Corrosion Inhibitors

### Cor-Ban® 35



NSN: 6850-01-492-2932, 8030-01-531-7358 (Aerosol),  
8030-01-615-4740 (Gallons), 8030-01-659-2958 (1 Gallon),  
8030-01-531-7360 (5 Gallons), 8030-01-615-4737 (Quart),  
8030-01-615-4733 (8 oz Brush In Cap)

*A long lasting, high solids CIC*

#### FOR AIRCRAFT SUBSTRATES

- ▶ high penetration capability
- ▶ water displacing
- ▶ dries in less than one hour

#### SPECS:

Airbus CML: AIMS 09-08-003 /  
AIMS 09-08-002 Ty II Gr 2

Boeing QPL : BMS 3-23F, BMS 3-35

Boeing: DMS 2150

Embraer: 51-61-00 Ty I & Ty II and MEP 10-063

ATR 42 / ATR 72 SRM

Bombardier: BAMS 565-06 Type I and Type II

BAE: AVP 2-022

Cessna CSNP038: Ty IVA/Class 2

Mil-DTL-85054D

Dassault: DGQT 1.7.0.0103

Gulfstream: GAC115AD

Sikorsky : SS 8536 Type II

**Applications:** stringers, profiles, ribs, cavities, seat rails, longerons, wide and narrow box sections, broad surface cargo holds, lavatories and galley subsections

Sukhoi: RRJ0000-RE-811-2559

de Havilland: DHMS C 4.12

Viking: VMS C4.12

FedEx: A30-51-001

### Cor-Ban® 23



NSN: 8030-01-531-7361, 8030-01-531-7362

*A high penetrating and water displacing CIC*

#### FOR AIRCRAFT SUBSTRATES

- ▶ thin film build
- ▶ high solids formulation
- ▶ tack free in one hour

**Applications:** stringers, profiles, ribs, cavities, seat rails, longerons, wide and narrow box sections, broad surface cargo holds, lavatories and galley subsections

#### SPECS:

BMS 3-23K Ty II Class 2 Grade A & B

BMS 3-35

BAMS 565-006 Ty V (QPL)

DHMS C4.12 Type II Grade 3 & 4 (QPL)

MEP 10-063 (QPL)

Airbus: CML 15-006 (Cor-Ban 23 may be used in place of)

Fed-Ex: E.O. 9-5100-7-5001

AIMS 09-08-001 Type I Grade 3

### Cor-Ban® 27L



NSN: 6850-01-469-7645 (Quart), 8030-01-531-7355 (Semco Cartridge), 8030-01-531-7357 (5 oz Tube)

*A non-drying CIC, effective in a wide range of temperatures*

#### FOR STATIC JOINTS, SUBSTRATES

- ▶ develops a thixotropic buff colored film
- ▶ UV-resistant in highly corrosive environments
- ▶ free of chromates

**Applications:** any metal surface, antenna, seat tracks, lavatory and the galley

#### SPECS:

Airbus CML 05-133

BMS 3-38B

CSNP038 Ty X

DPM 6498

Embraer: E9447580

GMS 4109 Rev C

HMS 20-12672372

LGQP 5010ETV V

MEP-QPL-09-075

SS 8689 REV 6 (-002)

T.O. 4S1-108-1

T.O. 4S1-182

T.O. 4W-1-61

### Cor-Ban® 22



NSN: 8030-01-531-7352 (5 Gallons), 8030-01-523-4290 (Aerosol)

*A long lasting, water displacing, corrosion inhibiting compound*

#### FOR DISSIMILAR METALS

- ▶ displaces moisture
- ▶ neutralizes existing corrosion
- ▶ prevents further and fretting corrosion

**Applications:** internal steel bores, landing gear boggies, horizontal pivot shafts, and metal parts

#### SPECS:

BMS 3-23 (Meets Requirements)

T.O. 1C-5A-23 and TO: 1C-130A-23 (Called Out)

### D-5035NS/ZC-035



NSN: 8030-01-686-7249 (Aerosol)

*A heat resistant corrosion preventive*

#### FOR HIGH TEMPERATURE AREAS

- ▶ withstands continuous temperatures up to 350°F (177°C)
- ▶ short-term exposure up to 430°F (221°C)
- ▶ excellent moisture displacing qualities
- ▶ high metal dampening and acid neutralization properties

**Applications:** cables, pulleys and any metal surface

#### SPECS:

Boeing QPL: DPM 5217





## Avionic Corrosion Inhibitors

### D-5015NS/ZC-015



A light lubricant

#### FOR AVIONICS, ELECTRONICS

- ▶ forms a soft, ultra thin protective film
- ▶ prevents corrosion
- ▶ displaces moisture

**Applications:** For use on highly critical metal surfaces, avionic components, and electrical and electronic components

#### SPECS:

Lockheed EMAP G39.032 (Aerosol)

MIL-PRF-81309H Type III Class 1 (Bulk)

MIL-PRF-81309H Type III Class 2 Grade B: CO<sub>2</sub> (Aerosol)

Sikorsky SS8536

### D-5026NS/ZC-026



NSN: 8030-01-603-2129 (Aerosol) and NSN: 8030-01-603-2131 Type II (Aerosol) (QPL)

A light lubricant

#### FOR AVIONICS, CABLES

- ▶ a heavy duty version of D-5015NS/ZC-015
- ▶ prevents corrosion
- ▶ water dispersant for large surfaces
- ▶ lubricating characteristics

**Applications:** Use on critical metal surfaces and avionic components

#### SPECS:

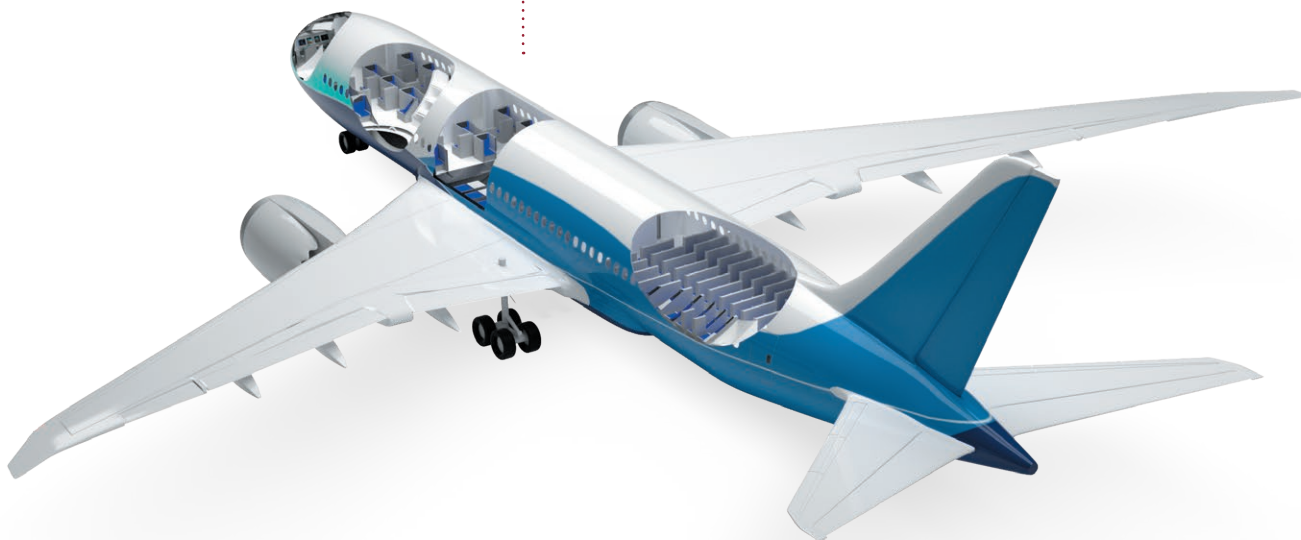
Boeing Alert Service Bulletin 737-24A1148 (Called out as CIC for connectors) (Aerosol & Bulk)

AD 2002-16-03 (Called Out) (Aerosol & Bulk)

DPM 5701-1 (QPL) (Aerosol & Bulk)

Embraer E 6125-209 (QPL) (Aerosol & Bulk)

QPL MIL-PRF-81309H Type II & III Class 1 (Bulk) & Class 2, Grade CO<sub>2</sub> (Aerosol)



## Corrosion Inhibitors for parts storage

### D-5010NS/ZC-010



A corrosion preventive

#### FOR AIRCRAFT PARTS

- ▶ prevents and penetrates rust
- ▶ displaces moisture
- ▶ deposits an oily film on the surfaces to be protected
- ▶ neutralizes and retards effects from alkalis and mild acids

**Applications:** Aircraft and engine parts, shop tools, gauges, and instruments

#### SPECS:

MIL-C-23411 (Meets requirements) (Aerosol & Bulk)

A-A-50493 (Meets requirements) (Aerosol & Bulk)

Solar Turbine ES9-249 (turbomachinery preservation) (Aerosol & Bulk)

### D-5082NS/ZC-082



A self healing corrosion control lubricant

#### FOR CABLES

- ▶ self-healing
- ▶ features a flexible petroleum base
- ▶ easily removed with common solvents
- ▶ prevents corrosion up to 2 years

**Applications:** For aircraft cables and preparing aircraft for storage and Heavy Maintenance Visits (HMV)

#### SPECS:

OIL 4501-11SC (Aerosol & Bulk)

### D-5067NS/ZC-067



A self-healing corrosion shield

#### FOR CORROSION PROTECTION

- ▶ protects parts subject to handling and storage
- ▶ surpasses humidity chamber test
- ▶ protects substrates from chemical fumes

**Applications:** cables, tools, sheets, rods & bar stock

#### SPECS:

MD-10-10 (Aerosol & Bulk)

QPL 20-60-04-2 (Aerosol & Bulk)

## Other Cor-Ban® Products

### D-5030 NS



A corrosion preventive coating

#### FOR ALL METALLIC SURFACES

- ▶ provides a long term barrier

against corrosion on steel, aluminum, copper, zinc, galvanized steel, and all metallic surfaces.

- ▶ excellent moisture displacing
- ▶ very good adhesion features

**Applications:** aircraft, cables, parts, and tools



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# Sur-Prep® surface preparation & avionics cleaners

## Surface Preparation

### Sur-Prep® AP1 KIT

NSN: 8010-01-600-2254, 8010-01-646-1109, 8010-01-600-1533

A paint adhesion promoter

#### FOR EXTERIOR AIRCRAFT SURFACES

- ▶ improves adhesion
- ▶ re-activates paint surfaces
- ▶ no need to "scuff" the paint surface

**Applications:** for paint surfaces reactivation, adhesion increase between basecoat and clearcoat coatings, on radome polyurethane boots prior to topcoat application

#### SPECS:

Boeing: D6-1816 Process Document for Decorative Finishing of Airplane Exteriors (QPL)

Boeing: BMS 10-127 "Chemical Reactivator for Paint Applications" (Called Out)

BAC 5308 Application of Stencils and Insignia Markings.

### Sur-Prep® AR-58

A solvent blend adhesive remover

#### FOR VARIOUS SUBSTRATES

- ▶ dries completely
- ▶ can be used on paper and porous surfaces
- ▶ penetrates various adhesives
- ▶ does not leave a residue

**Applications:** removing adhesives from surfaces, such as metal and paper

### Sur-Prep® 5606

An hydraulic fluid-based cleaner

#### FOR LANDING GEAR

- ▶ aerosolized Mil-PRF-5606 hydraulic fluid
- ▶ can be sprayed on to an approved wiper material
- ▶ compatible with the various elastomers and substrates of the landing gear assembly

**Applications:** to remove the landing gear contaminants during maintenance, assembly, and overhaul

#### SPECS:

Pre-saturated AMS 3819 approved towelfles

Mil-PRF-5606 QPL (Hydraulic Fluid In Sur-Prep® 5606 Aerosol)

### Sur-Prep® 3500-1

#### KIT

A non-decorative interior structure surface prep kit

#### FOR INTERIOR STRUCTURES

Kit contains:

- 1) alkaline cleaning solution pad
- 2) deionized water wipe and dry towel
- 3) Citra-Safe® deodorized wipe and dry towel
- 4) conversion coating material wipe
- 5) deionized water wipe and dry towel

**Applications:** prepare the interior structure, fuel tank structure, and wing structure surfaces for painting and sealing

### Sur-Prep® 5604

A dust removal

#### FOR PRECISION INSTRUMENT

- ▶ truly clean contacts and assembly

**Applications:** lenses, optical equipment, photo negatives and film, magnetic tape and tape heads, precision instruments, and devices

#### SPECS:

Boeing DPM 5148 (Found on)

### Sur-Prep® 3500-2

#### KIT

An exterior fuselage structure surface prep kit

#### FOR EXTERIOR FUSELAGE AREAS

Kit contains:

- 1) alkaline cleaning solution pad
- 2) deionized water wipe and dry towel
- 3) Citra-Safe® deodorized wipe and dry towel
- 4) conversion coating material
- 5) deionized water wipe and dry towel

**Applications:** Prepare bare exterior aluminum structure for corrosion protection or for painting and sealing







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# Sur-Prep® surface preparation & avionics cleaners

## Cleaner & Degreasers

### Sur-Prep® 3167



A CIC remover, degreaser, and cleaner  
**FOR AVIATION SOILS AND SURFACES**

- ▶ removes aged or multi-layered CIC's
- ▶ removes soil and greases
- ▶ cleans critical surfaces prior to paint and bonding
- ▶ broad solvency range

**Applications:** removal of CIC's, for preparing critical surface areas prior to painting and bonding

#### SPECS:

Airbus AIMS 09-03-000

Boeing: D6-17487

### Sur-Prep® SB642



A ready-to-use, all-in-one cleaner, degreaser, and polish protectant

**FOR PAINTED AND UNPAINTED**

**AIRCRAFT SUBSTRATES**

- ▶ can be applied in all types of weather
- ▶ non-abrasive
- ▶ silicone free

**Applications:** for use on all types of finishes

#### SPECS:

Airbus AIMS 09-00-002

AMS 1550B, AMS 1526C, AMS 1650C

Boeing: D6-17487  
and CSD No. 1

### Sur-Prep® 5677



NSN: 6850-01-684-6911

A fast evaporating solvent blend degreaser and contact cleaner

**FOR AIRCRAFT SUBSTRATES**

- ▶ works on oil and oil-bonded contaminants
- ▶ helps coatings and sealants adhere to aircraft substrates
- ▶ fast drying
- ▶ broad solvency range
- ▶ safe on plastics

**Applications:** to prepare critical surface areas prior to painting or bonding as well as electrical contacts

#### SPECS:

Airbus AIMS 09-00-002, AMS 3167

Boeing: D6-17487 and CSD No. 1

### Sur-Prep® 3160



NSN: 6850-01-633-9843

A petroleum solvent cleaning compound

**FOR AIRCRAFT SUBSTRATES**

- ▶ works on oil and oil-bonded contaminants
- ▶ helps coatings and sealants adhere to substrates
- ▶ fast drying
- ▶ broad solvency range

**Applications:** to prepare critical surface areas prior to painting or bonding

#### SPECS:

A-A-2904

AMS 3160

Bombardier CPM PSM 1-84-18-08-10

Mil-PRF-680 Ty II

### D-5640NS/ZC-640



NSN: 8030-01-597-6958

A general-purpose precision cleaner

**FOR PRECISION METAL CLEANING**

- ▶ free of CFCs
- ▶ biodegradable

**Applications:** removal of CICs, cleaning before painting, equipment degreasing and parts washing, also used in pressure cleaning and handwipe applications

#### SPECS:

Boeing: D6-17487 Rev. L (Aerosol & Bulk), CSD-1 (Aerosol & Bulk)

Fed-Ex E.O. 9-5100-7-5001

### D-5600 NS/ZC-600



A surface prep and mechanical parts cleaner

**FOR MECHANICAL PARTS & ELECTRICAL COMPONENTS**

- ▶ safe for use on metals, painted surfaces, ceramics, fiberglass, and many plastics
- ▶ biodegradable solvent containing Citra Safe®

**Applications:** to clean metals, painted surfaces, ceramics, fiberglass, many plastics, and electrical components

#### SPECS:

Boeing: BAC 5504, BAC 5000, and BAC 5750.





## Contact cleaners

### Sur-Prep® 5673



NSN: 7510-00-616-9588

A contact cleaner and defluxer

#### FOR AVIONICS

- ▶ non-ozone depleting
- ▶ cleans resin solder flux residues
- ▶ non-flammable
- ▶ ideal for use as a defluxer

**Applications:** avionics, energized circuits, electrical components

#### SPECS:

Boeing: D6-17487 for solvent cleaners (Meets requirements)

### D-5665 NS/ZC-665



A safe and effective cleaning agent

#### FOR AVIONICS

- ▶ non-ozone depleting
- ▶ non-flammable (ingredients)
- ▶ plastic friendly

**Applications:** for energized circuits and electrical components where flushing and displacement drying are essential

#### SPECS:

BAC 5750 (Aerosol & Bulk)      Mil-Std-1330D  
BAC 5402 (Aerosol & Bulk)      (Aerosol & Bulk)

### Sur-Prep® 123



NSN: 6850-01-671-8497, 6830-01-678-3176

A precision contact cleaner

#### FOR OXYGEN SYSTEM

- ▶ is the preferred solvent for cleaning LOX systems
- ▶ non-flammable
- ▶ safe on metal, varnished surfaces and most plastics and elastomers
- ▶ evaporates quickly without residue

**Applications:** precision cleaning, drying of high sensitivity parts, and cleaning of oxygen systems

#### SPECS:

NASA/TP-2015-218207 (Preferred solvent for cleaning LOX systems)      T.O. 15X-1-1 (Called Out)



### Sur-Prep® 5602



An electro-freeze

#### FOR AVIONICS CIRCUIT

- ▶ will reduce surface temperatures to -50°F (-45°C)
- ▶ removes adhesives and sticky substances, such as gum from substrates

**Applications:** locate defective components

#### SPECS:

Air Standard 700-83      UAL GAS 3001-SC (Called Out)  
DPM 6372      A-A-58060

### D-5695 NS



An alcohol contact cleaner

#### FOR ELECTRICAL CONNECTORS

- ▶ precise application
- ▶ uncontaminated and ultra-filtered stream of methanol

**Applications:** cleans connectors, PC boards and miscellaneous parts



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# Aero-Lube™

lubricants & lubricating compounds

## Lubricants

### D-5100 NS

NSN: 9150-00-269-8249

A pure silicone lubricant

#### FOR METALS AND PLASTICS

- ▶ prevents door locks and rubber weather stripping from freezing
- ▶ operates in a temperature range of -60 to 600°F (-51 to 315°C)

**Applications:** Lubricates dissimilar metals, plastics and plastic/metal combinations

#### SPECS:

VV-D-1078 (Silicone for D-5100NS)

### D-5440 NS/ZC-440

NSN: 9150-00-989-2021 (Aerosol)

A dry film lubricant

#### FOR LUBRICATION OF TRACKS

- ▶ withstand temperatures from the cryogenic range to over 240°F (116°C)
- ▶ excellent anti-stick properties
- ▶ does not stain or rust
- ▶ is chemically inert

**Applications:** slat and flat track lubrication and corrosion protection

#### SPECS:

DPM-3494- Release Agent (Aerosol)

SCE 898-13117 (Aerosol)

UAL LUB 4500-1750 (Aerosol)

T.O. 1C-130H-2-12JG-20-1 (Aerosol)

T.O. 1C-130J-2-12JG-20-1 (Aerosol)

DMS 1762 Type 7E

### D-5261 NS/ZC-5261

A highly penetrating cleaning lubricant and solvent

#### FOR CABLES, FLIGHT CONTROLS,

#### HINGES AND JOINTS

- ▶ penetrates tight parts (heart strands of cables)

**Applications:** flight control, engine and landing gear cables; pressure seals; hinges, static joints and pulleys

#### SPECS:

MIL-PRF-7870D (Aerosol & Bulk)

UAL OIL 4501-10SC (Found On) (Bulk)

### D-5480 NS/ZC-480

A graphite dry film lubricant

#### FOR HIGH TEMPERATURE LUBRICATION

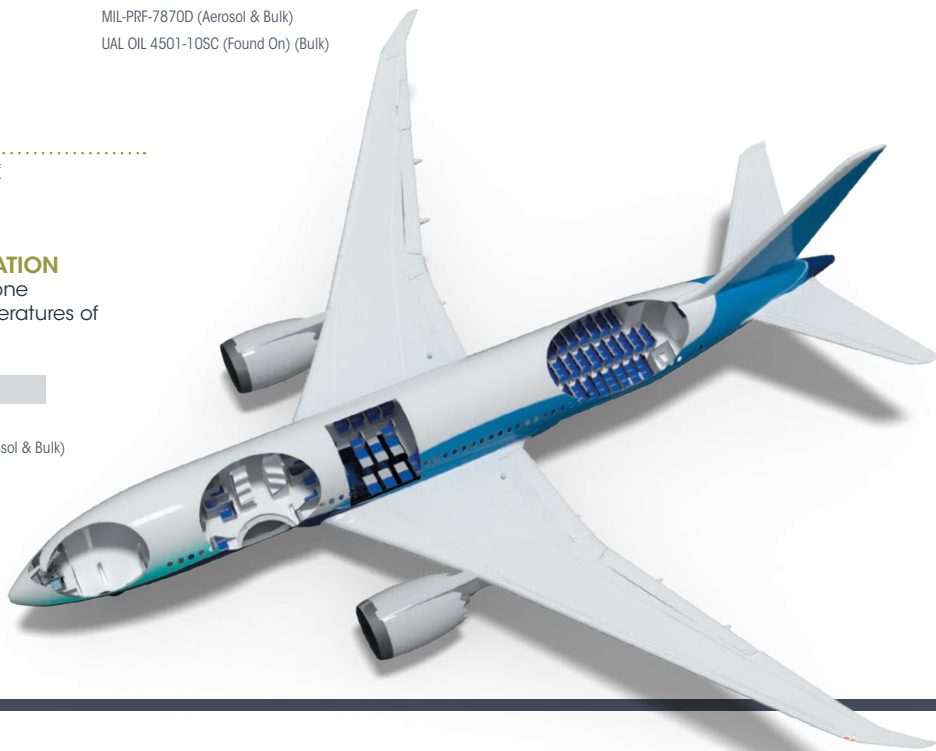
- ▶ contains no grease, wax or silicone
- ▶ dry film lubricant stable at temperatures of 400°F (204°C) to 850°F (454°C)
- ▶ fine particulate size graphite

**Applications:** small, precision parts

#### SPECS:

LUB 4500-35C (Aerosol & Bulk)

ASTM F 945 (Aerosol & Bulk)



## Lubes

### D-5263 NS/ZC-5263

NSN: 9150-01-660-6782 (Aerosol)

An aircraft cable lubricant and rust preventive

#### FOR CABLES

- ▶ excellent water displacing qualities
- ▶ good rust preventive properties

**Applications:** precision machined parts, pylon bearings before lubrication and cargo door lubrication

#### SPECS:

Boeing DPM 5481-1 (Called Out)

ASTM F 945 (Aerosol & Bulk)

LUB 4500-35C (Aerosol & Bulk)

MIL-PRF-32033

NATO Code: O-190 (Aerosol & Bulk)

UAL OIL 4501-125C (Called Out)

### D-5460 NS/ZC-460

NSN: 9150-01-057-2576 (Aerosol)

A moly dry lube

#### FOR ENGINES AND HIGH TEMP AREAS

- ▶ excellent high temperature stability to 660°F (350°C)
- ▶ good surface adhesion
- ▶ contains a fast air drying formula

**Applications:** engines, fan rotor assemblies and fan reverser pre-cool duct seals

#### SPECS:

GE/DFO: A50TF192 Class C-6, 192-58 (Aerosol & Bulk)

UAL#: LUB 4500-12SC (Aerosol & Bulk)





## Greases

### D-5933 NS



*An aerosolized grease*

#### FOR MULTI -PURPOSE

- ▶ precise product application
- ▶ non-flammable
- ▶ highly resistant to rubbing and wiping

**Applications:** general airframe lubricant

#### SPECS:

Boeing QPL: BMS 3-33C Type 2

MIL-PRF-23827C Ty 1 (Aeroshell® 33 grease)

### D-5920 NS/ZC-920



NSN: 9150-01-163-0942

*An ice build-up preventive*

#### FOR ICE RELEASE, RUBBER, INSULATION, SEALS

- ▶ prevents ice build-up that causes rubber seals to stick to metal below it

**Applications:** doors and rubber seals

#### SPECS:

United Airlines AGE-3020-SC (Aerosol)



For more information contact us: [zipchem@addevmaterials.com](mailto:zipchem@addevmaterials.com)



# Calla® aircraft cleaners & disinfectants

## Exterior Cleaning Compounds

### Calla® 301A



An environmentally friendly degreaser and cleaner

#### FOR LARGE SURFACE AREAS

- ▶ approved by the US EPA Safer Choice program
- ▶ biodegradable
- ▶ will not harm various types of metals
- ▶ leaves no residue or stain

**Applications:** for heavy duty equipment and aircraft cleaning

#### SPECS:

AMS 1526C, AMS 1550B

Boeing D6-17487 and CSD-1



### CallaSolve™ 120



A water dilutable cleaner

#### FOR HEAVY DUTY EQUIPMENT

- ▶ terpene-based emulsion cleaner

#### SPECS:

MIL-PRF-87937 Type 1  
DPM 5278-1

T.O. 1-1-691  
T.O. 1C-135(k)A-3-4

**Applications:** for heavy duty equipment cleaning of aircraft, ground equipment and AGE engines

### Calla® 800 (Military)



A heavy duty cleaning and degreasing compound

#### FOR EXTERIOR

- ▶ meets military specifications
- ▶ effective in a wide range of applications

**Applications:** for exterior fuselage, exterior blast areas, landing gear & wheel wells

#### SPECS:

MIL-PRF-87937D Type II (Meets and is on QPL under QPL-87937-10)

### Calla® 804



NSN: 6850-01-583-3031

A cleaning and degreasing compound

#### FOR EXTERIOR AIRCRAFT EQUIPMENTS

- ▶ meets military specification
- ▶ effective cleaning capability
- ▶ low toxicity in a neutral pH
- ▶ biodegradable formulation
- ▶ no flash point

**Applications:** for aerospace equipment, such as aircraft, ground equipment, and AGE engines

#### SPECS:

MIL-PRF-87937D Type IV (QPL)

### AN-2001P



A dry wash and polish

#### FOR EXTERIOR PAINTED SURFACES

- ▶ cleans and protects painted surfaces

**Applications:** all painted surfaces and metals of aircraft

#### SPECS:

AMS 1650B Ty 1 & 2 (Meets requirements)

Boeing CSD-1, D6-17487 (Meet requirements)







### Zip-Strip™ 125 M



A water rinseable CIC remover

#### FOR EXTERIOR AIRCRAFT SURFACES

- removal of wet, waxy and/or dry film Corrosion Inhibiting Compounds (CIC's)
- contains water rinsable material
- very effective even after short dwell time

**Applications:** effective for mixed fleet carriers and on aviation soils, such as MoS<sub>2</sub> grease, hydraulic fluid, wax, and carbon deposits

#### SPECS:

AMS 09-00-002

Boeing: D6-17487

### Calla® 8050



A non-solvent ready-to-use cleaner

#### FOR WHEEL AND FLAP WELLS

- thicker version of Calla 805
- environmentally safe
- non-solvent alkaline cleaner
- for use on all aircraft substrates and coatings

**Applications:** for wheel and flap wells

#### SPECS:

AMS 1533

Boeing: CSD-1

### Jet Brite™ 550



A dry wash and polish paste

#### FOR EXTERIOR ALUMINUM & PAINTED SURFACES

- removes oxidation contains no abrasives or corrosives

**Applications:** all painted surfaces and bare metals of aircrafts

#### SPECS:

AMS 1650B Type 2 Paste

Boeing: CSD-1, D6-17487 Rev. L

### Calla® 500 Domestic



A highly concentrated and versatile alkaline water base cleaner

#### FOR EXTERIOR AIRCRAFT SURFACES

- safe on aluminum alloys, magnesium alloys and cadmium plated steel
- no attack on plastics

**Applications:** removal of exhaust stains and general aircraft cleaning

#### SPECS:

AMS 1526B

MIL-C-25769G

Boeing: D6-17487 and CSD-1

### Calla® 805



An aircraft exterior cleaner

#### FOR EXTERIOR AIRCRAFT SURFACES

- provides excellent general aircraft cleaning
- environmentally safe
- non-solvent alkaline cleaner
- for use on all aircraft substrates and coatings
- an unthickened version of Calla® 8050

**Applications:** to clean the soils and contaminants found on the exterior of aircrafts

#### SPECS:

AMS 1533

Boeing: CSD-1



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## Interior Cleaners

### X-405



NSN: 6850-01-624-1757, 6850-01-627-5474 (Wet/Dry Kit), 7930-01-595-1214

A water based cleaner

#### FOR GLASSES & TRANSPARENCIES

- ▶ water-based & biodegradable
- ▶ non-toxic
- ▶ non-flammable

**Applications:** for use on aircraft windows, plastic transparencies, and «EFIS» Electronic Flight Instrument Systems

#### SPECS:

AMS 1534 Ty I  
TO: 1C-130A-23

Boeing: D6-17487 and CSD-1



### X-410 Q



An environmentally friendly cleaner

#### FOR FAIRCRAFT INTERIORS

- ▶ water-based & biodegradable
- ▶ safe on all structural metal
- ▶ safe on all quality paints, primers and acrylic plastics

**Applications:** cabin interior surfaces, such as tray tables and overhead compartments

#### SPECS:

AMS 1550B

Boeing: D6-17487 and CSD-1



### Calla® 301A Lemon



A cleaning and degreasing compound

#### FOR LARGE INTERIOR SURFACE

#### AREAS

- ▶ non-flammable
- ▶ safe on various metals
- ▶ leaves no residue or stain

**Applications:** for aircraft, aircraft components, and facilities

#### SPECS:

AMS 1526C, AMS 1550B  
Boeing: CSD-1

## Speciality Cleaners

### X-200



A gum remover

#### FOR SOFT SURFACES

- ▶ removes gum
- ▶ safe citrus oil based cleaner

**Applications:** remove chewing gum from soft surfaces, such as carpets

#### SPECS:

Flame Retardent AMS 1630A

Boeing: D6-17487 and CSD-1

### AN-300 D



A deodorant

#### FOR TOILETS

- ▶ does not contain formaldehyde
- ▶ prevents odor causing bacteria from forming in the toilet bowl
- ▶ dark blue liquid with a cherry odor

**Applications:** use on toilet tanks and other lavatory equipment

#### SPECS:

AMS 1476A



# Calla® aircraft cleaners & disinfectants

## Disinfectants

### our solutions to fight Covid-19

#### AeroDis® 7127



NSN: 6840-01-686-9908 (wipes), 6840-01-686-9917

A ready-to-use disinfectant

#### FOR HARD SURFACES ON AIRCRAFT

- ▶ classified as a Toxicity Category IV (EPA's lowest concern level for acute toxicity)
- ▶ does not stain aircraft interiors

**Applications:** lavatories, panels galleys, arm rests, tray tables, overhead bins, and transparencies

#### SPECS:

AMS 1452, AMS 1550

Boeing D6-7127

#### Calla® 1452 & Calla® 1452 Ready-To-Use



NSN: 6840-01-561-3126 (Starter Kit), 6840-01-600-4177 (5 Gallon Pail), 6840-01-687-1371 (cartridge)

A general-purpose cleaner, disinfectant and deodorizer (available RTU)

#### FOR HARD & NON-POROUS SURFACES

- ▶ excellent cleaning, deodorizing, and disinfection properties
- ▶ has the emerging viral pathogens and human coronavirus claims for use against SARS-CoV-2
- ▶ does not stain aircraft interiors and plastics

**Applications:** glazed ceramic tile, plastic surfaces, floors, walls, metal surfaces, stainless steel surfaces, and glazed porcelain

#### SPECS:

AMS 1452, 1453, 1530B and 1550B

Boeing D6-7127 and D6-17487

NAVAIR: 01-1A-509-2

T.O.: 1-1-691, 1C-130A-23, and 1C-5A-23-1

TM 1-1500-344-23-2



## Part Washer Cleaners Products

#### Calla® 602 LF



NSN 6850-01-513-5230 (1 gallon), 6850-01-513-5237 (5 gallons), 850-01-513-5233 (55 gallons)

A heavy duty cleaning & degreasing compound

#### FOR AQUEOUS PARTS CABINETS

- ▶ low VOC formulation (Useful under the strictest air quality control regulations)
- ▶ effective at 5% dilution
- ▶ low foaming at temperatures as low as 140°F (60°C)

**Applications:** for heavy duty cleaning and degreasing for aqueous parts cabinets

#### SPECS:

Source Control Drawing 9825019-17, -19, & -21 Rev. C for T.O's 4W-1-161, 4B-1-32, 4S-1-182

Mil-C-29602 except Section 3.7 (pH)

#### Calla® 602 LF Defoamer



NSN: 6850-01-621-2027

A concentrate of the defoamers used in Calla® 602LF

#### FOR AQUEOUS PARTS WASHERS

- ▶ helps to control the foam produced in parts washers
- ▶ to be used in conjunction with Calla® 602LF

**Applications:** Add directly to the parts washer soap bath one quart at a time until foam is reduced sufficiently



For more information contact us: [zipchem@addevmaterials.com](mailto:zipchem@addevmaterials.com)

# Aircraft Specialty Products

## Heat Transfer Products

### Accu-Cool® HTF 350



A heat transfer fluid

#### FOR USE ON AIRBUS A350 AIRCRAFT

- ▶ no flash point
- ▶ fluoresces a blue color when radiated with UV light
- ▶ nontoxic and not harmful

**Applications:** for the Supplemental Cooling System (SCS)

#### SPECS:

AIMS 09-11-002 (Meets requirements)

### Accu-Cool® 342



A heat transfer fluid

#### FOR USE ON BOEING 787 AIRCRAFT

- ▶ no flash point
- ▶ possibility of incidental food contact

**Applications:** for the Integrated Cooling System (ICS), Power Electronic Cooling System (PECS), and the optional Forward Cargo Air Conditioning System (FCAC)

#### SPECS:

Boeing: BMS 3-42 (QPL)

### AP 280 KIT

A silicone heat sink compound

#### FOR HEATER ELEMENTS

- ▶ a kit of uncatalyzed silicone resin with a select grade of aluminum powder
- ▶ maintains an excellent bond while exhibiting vibration resistance and flexibility from -100°F to 550°F (-73°C to 288°C) in continuous service

**Applications:** for use when changing the static port heater element on the DC-9 and MD80 powerplants

#### SPECS:

DPM 5979 (QPL)







# Bend it, shape it Formit® solution

Formit® 18 aerosol extension wand kits have been developed to apply chemicals from Zip-Chem aerosols to areas that are difficult to reach.

- ▶ FORMIT® 18-FAN  
NSN: 4730-01-612-9914  
NSN: 4730-01-661-8773
- ▶ FORMIT® 18-180
- ▶ FORMIT® 18-360  
NSN: 6850-01-492-2942
- ▶ FORMIT® 18-90-FOG  
NSN: 6850-01-517-0963
- ▶ FORMIT® 48-FAN  
NSN: 4730-01-632-0157
- ▶ FORMIT® 48-360  
NSN: 4730-01-659-5461
- ▶ FORMIT® 18-STD-FOG  
NSN: 4730-01-632-0156

- ▶ Specifically designed to fit all Zip-Chem® aerosols
- ▶ A Formit® kit consists of a pre-assembled female actuator with 18" (46 cm) long flexible plastic tubing and a 12" (30 cm) long aluminum sleeve
- ▶ Tube and aluminum sleeve can be formed into a variety of angles
- ▶ Four nozzle variations include the 18-Fan for a full fan, forward projection spray; the 18-180 for a fan spray of 180 degrees, the 18-360 for a full circle, 360 degree fan spray, and the 18-90-FOG for fogging application



Please refer to our website for latest qualifications



For more information contact us: [zipchem@addevmaterials.com](mailto:zipchem@addevmaterials.com)



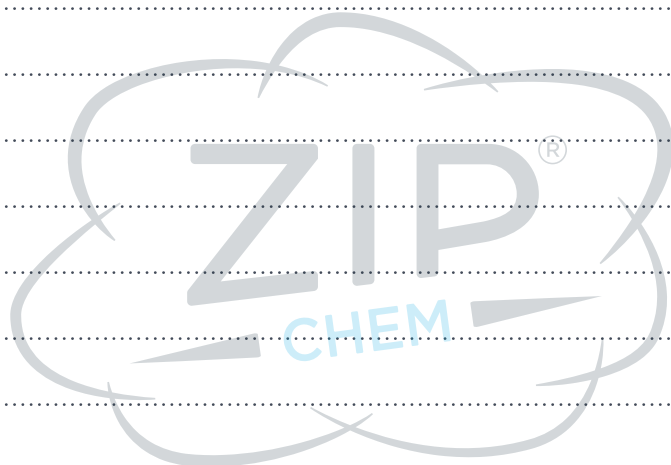
# INTERNATIONAL PRESENCE

**The ADDEV Materials Group:**  
Being international while providing local service



Our locations are settled in the heart of the aeronautical industrial areas in North America, Europe and Asia to assist you in carrying all your projects.





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#### Zip-Chem® EMEA Hub

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