



# **ZIP-CHEM® AVIATION PRODUCTS**

**CORROSION INHIBITORS, LUBRICANTS,  
SURFACE PREPS & CLEANERS**

## ZIP-CHEM® AVIATION PRODUCTS

Zip-Chem's mission is to address the unique technological challenges of modern aviation with exacting chemical preparations supplied through innovative packaging and product delivery systems. As a result, Zip-Chem's aviation products deliver superior performance while controlling costs, reducing waste and addressing environmental concerns. Our four product lines are as follows:

### **Cor-Ban®** CORROSION INHIBITING COMPOUNDS

Cor-Ban is a line of corrosion inhibiting products specifically formulated for the demanding specifications of aviation maintenance. Cor-Ban products are for use on large structural components, small parts, avionics and cables. In addition, there are Cor-Ban formulations for heavy-duty use and long-term storage.

### **Aero-Lube™** LUBRICANTS & LUBRICATING COMPOUNDS

The Aero-Lube line of aircraft lubricants includes multi purpose greases, silicones, Teflon®, molybdenum disulfide, and graphite lubricants. Special purpose Aero-Lube products are available for high temperature areas, applications requiring penetrating lubricants and prevention of ice build-up on rubber seals.

### **Sur-Prep™** SURFACE PREPS & AVIONICS CLEANERS

Sur-Prep is a line of avionics and general-purpose surface preparation cleaners. Sur-Prep products offer specific performance advantages in cleaning efficiency, flammability, VOC's and other related environmental concerns.

### **Calla®** AIRCRAFT CLEANERS

Calla products are aircraft cleaners. Several different products are available for interior and exterior cleaning. These include large surface cleaners for the exterior of the aircraft, parts cleaners, glass cleaners, degreasers, drywash and polishing products. The Calla line also includes disinfectants, odor neutralizers and EPA DfE approved cleaners including Calla® 301A Exterior Wash, X-410Q Interior Cleaner and X-405 Window Cleaner.

### MILITARY AND COMMERCIAL SPECIFICATIONS



Product descriptions, specifications and technical data are on our web site at [www.zipchem.com](http://www.zipchem.com)

**ZIP-CHEM® PRODUCTS 1-800-648-2661**  
**400 JARVIS DRIVE, MORGAN HILL, CA 95037**  
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**WWW.ZIPCHEM.COM 4INFO@ZIPCHEM.COM**

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*Aerosol with Formit™ application tube*



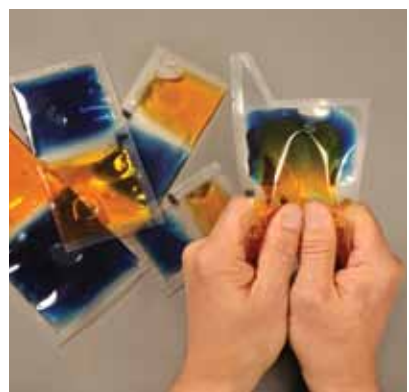
### BEND IT, SHAPE IT— FORMIT™

Zip-Chem developed Formit 18 aerosol extension wand kits to apply aircraft maintenance products in difficult to reach areas. A Formit kit includes an 18" plastic tube with a companion 12" aluminum sleeve and a pre-assembled female actuator. The kit can be formed into a variety of angles that allow access to cramped or recessed areas. 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. Formit 18 kits are for use with a variety of Zip-Chem aerosol products.

- FORMIT 18-FAN**
- FORMIT 18-180**
- FORMIT 18-360**  
NSN: 6850-01-492-2942

- FORMIT 18-90-FOG**  
NSN: 6850-01-517-0963
- FORMIT 48-FAN**
- FORMIT 48-360**

Innovative packaging solutions are central to the service Zip-Chem provides aviation. Over the last 30 years we have developed packaging to cut costs and reduce waste, ease product application, minimize environmental or occupational exposure and ensure proper mix ratios. We have adopted package designs from other industries and invented new products to supply our aircraft maintenance customers.



New materials in aircraft manufacturing, increased pressure to reduce costs plus new and changing aviation maintenance products and procedures will continue to create demand for new packaging solutions.

At Zip-Chem, we welcome your packaging challenges—give us a call to find out more—  
**1-800-648-2661 or 408-782-2335.**





## Cor-Ban® 22

**AEROSOL & BULK**

**PENETRATING,  
SELF-HEALING**

Cor-Ban 22 is a CIC for use when a maximum penetrating, heavy duty, self-healing film is required. Cor-Ban 22 displaces moisture, neutralizes existing corrosion, and prevents further corrosion. It will prevent fretting corrosion, making it ideal for use on cables, pulleys, and other areas requiring corrosion protection as well as lubrication.

**SPECS:**

NSN: 8030-01-523-4290 (Aerosol)  
 NSN: 8030-01-531-7352 (5 gal.)  
 BMS 3-23 Ty II Class 1  
 T.O. 1C-5A-23  
 (Pending) MIL PRF 16173 E Gr2

## Cor-Ban® 23

**AEROSOL & BULK**

**AIRCRAFT SUBSTRATES**

Tested to 3000+ hours in salt spray, Cor-Ban 23 is a super penetrating, water displacing CIC. It features low film build-up, a high solids formulation and is tack free. Applications include stringers, profiles, ribs, cavities, seat rails, longerons, wide and narrow box sections, broad surface cargo holds, lav and galley subsections. Cor-Ban 23 is tack-free in one hour.

**SPECS:**

QPL BMS 3-23 H Type II Class 2  
 MIL-DTL-85054D  
 NSN 8030-01-531-7361 Aerosol  
 NSN 8030-01-531-7362 (5 gal.)  
 BAMS 565-006 Ty V  
 DHMS C4.12 TyII Gr 3 & 4  
 FedEx E.O. 9-5100-7-5001  
 Cessna CSNP038 Type IX A  
 (Cor-Ban 23 Undyed)



## Cor-Ban® 27L BULK

**STATIC JOINTS, SUBSTRATES**

Cor-Ban 27L is a non-drying CIC, effective in a wide range of temperatures. It develops a thixotropic, buff colored film that will withstand UV exposure in highly corrosive environments. It is free of chromates and other hazardous materials. Uses include floor beams, antenna, seat tracks, lavatory and the galley.

**SPECS:**

QPL BMS 3-38  
 DPM 6498  
 MEP-QPL-09-075  
 EMBRAER E9447580  
 NSN 6850-01-469-7645 (quart)  
 NSN 8030-01-531-7355 (6 oz. cart)  
 NSN 8030-01-531-7357 (5 oz.)  
 USAF T.O. 4S-1-182  
 SIKORSKY SS 8689  
 T.O. 4S1-108-1  
 T.O. 4W-1-61  
 Airbus CML 05-133  
 Goodrich LGQP5010D, Ty IV C1 B  
 Cessna CSNP038 Type VIII

## D-5010 NS AEROSOL

**ZC-010 BULK**

**SMALL PARTS**

D-5010 NS is a powerful penetrating oil and corrosion inhibitor formulated for aircraft use. D-5010 NS dissolves rust, disperses water and leaves a thin protective film that resists corrosion, light acids and alkali solutions. D-5010 NS is widely used on small parts, in engine repair and to protect tools and equipment. It will not harm paints, plastics, rubber or plated surfaces.

**SPECS:**

MIL-C-23411-Ships (superceded)  
 A-A-50493  
 Solar Turbine ES9-249

## Cor-Ban® 35

**AEROSOL & BULK**

**AIRCRAFT SUBSTRATES**

Cor-Ban 35 is a long lasting, high solids and low VOC CIC with high penetration capability and water displacing properties. Applied in a 1 to 2 mil wet film thickness it dries in less than one hour to a non-tacky, salmon pink color. Cor-Ban 35 incorporates the best features of BMS 3-23 and BMS 3-29 approved products.

**SPECS:**

QPL BMS 3-35  
 BAMS 565-006 Ty I & II  
 MIL-DTL-85054D  
 NSN 6850-01-492-2932 Aerosol  
 NSN 8030-01-531-7358 Aerosol  
 NSN 8030-01-531-7360 (5 gallon)  
 EMBRAER E 51-61-00 TyI and II  
 SIKORSKY SS 8536 Type II  
 Gulfstream GAC115AD  
 AIRBUS 0908-001 Type I Grade 3  
                   0908-002 Type II Grade 2  
                   0908-003 Type III Grade 2  
                   CML 15-009 Ty III  
 FedEx A30-51-001  
 DPM 6577  
 ATR 42/ATR 72 SRM  
 BAE: AVP 2-022  
 DHMS C4.12 TyII Gr 3 & 4  
 DPS 3.307  
 NSN 8030-01-516-6254 (undyed)  
   Aerosol  
 NSN 8030-01-531-7364 (undyed)  
   5 gallon  
 Cessna CSNP038 Type IX A  
 (CORBAN 35 undyed)



### **D-5015 NS** AEROSOL **ZC-015** BULK

#### **AVIONICS, ELECTRONICS**

D-5015 NS is a light lubricant that forms a soft, ultra thin protective film to prevent corrosion and disperse water. It is for short-term use on critical metal surfaces in avionics, electrical and electronic components. D-5015 NS is safe for use on most paints, plastics and insulation

#### **SPECS:**

QPL MIL-PRF-81309F  
Type III Class 2 (aerosol)  
Type III Class 1 (bulk)  
SIKORSKY SS 8536 Type I

### **D-5026 NS** AEROSOL **ZC-026** BULK

#### **AVIONICS, CABLES**

D-5026 NS is a concentrated version of D-5015 NS designed for medium duty use on critical metal surfaces in electronic assemblies and on electrical and mechanical cables. It is an effective corrosion inhibitor and water dispersant for larger surfaces and retains the lubricating characteristics of D-5015 NS.

#### **SPECS:**

QPL MIL-PRF-81309F  
Type II & III Class 1 (bulk) &  
Class 2 (aerosol)  
DPM-5707-1 (aerosol)  
EMBRAER E 6125-209  
SIKORSKY SS 8536 Type I  
AD 2002-16-03  
NSN 8030-01-603-2129 type III  
(aerosol)  
NSN 8030-01-603-2131 type II  
(aerosol)

### **D-5082 NS** AEROSOL **ZC-082** BULK

#### **LONG TERM STORAGE, SELF-HEALING**

D-5082 NS is a corrosion preventative for aircraft cables and out-of-service aircraft and HMCs. It is self-healing, features a flexible petroleum base and is easily removed with common solvents. Parts coated with D-5082 NS will stand up to outdoor exposure for two years.

#### **SPECS:**

OIL 4501-11SC

## **Cor-Ban® 12**

#### **AEROSOL & BULK**

Cor-Ban 12 is a transparent coating that is intended to protect aluminum substrates from mechanical damage during fabrication and assembly operations and from corrosion during transportation and storage of components under most conditions. The cured dry film is removable with a suitable alkaline wash process cleaner, such as Calla 500, yet will withstand the exposure to outdoor elements.

#### **SPECS:**

Pending

### **D-5035 NS** AEROSOL **ZC-035** BULK

D-5035NS is a heat resistant corrosion preventive formulated to provide long term protection against corrosion. The coating has excellent moisture displacing qualities and adhesion capabilities along with superior metal wetting and acid neutralization properties. The D-5035 NS coating can withstand continuous temperatures up to 350°F (177°C), with short-term exposure up to 430°F (221°C).

#### **SPECS:**

DPM 5217

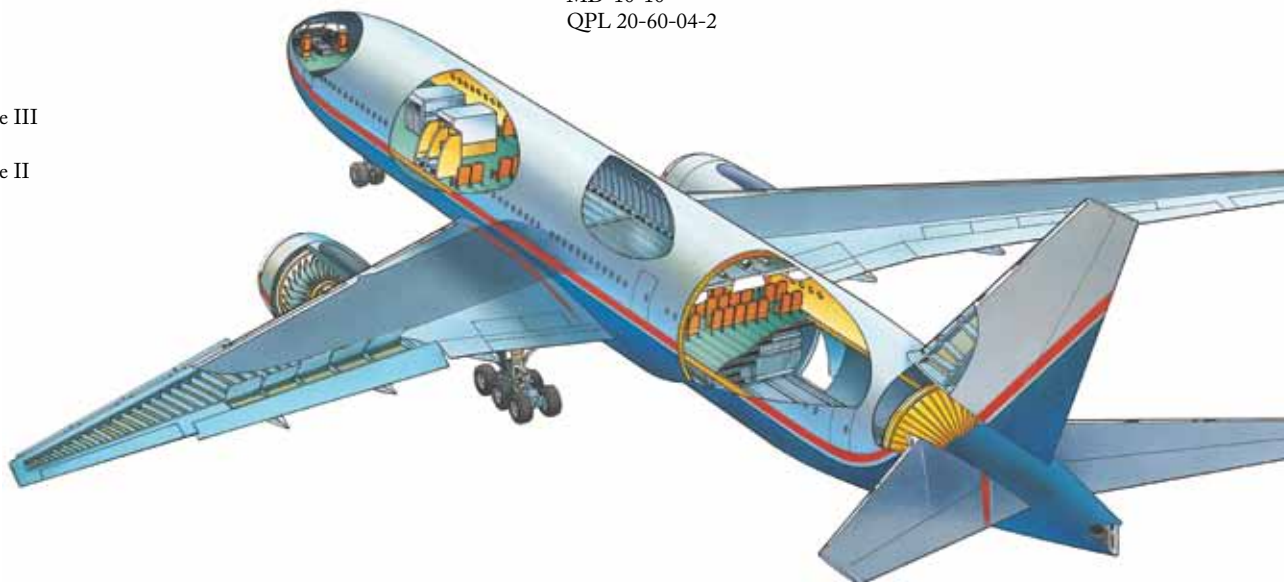
### **D-5067 NS** AEROSOL **ZC-067** BULK

#### **CORROSION SHIELD, SELF-HEALING**

The protective film is a self-healing and flexible petroleum based formulation. D-5067NS provides excellent protection for cables, tools, sheets, rod & bar stock. Protects parts subject to handling and storage. It meets and surpasses the severe salt spray and humidity chamber test. It is also very effective in resisting chemical fumes.

#### **SPECS:**

MD-10-10  
QPL 20-60-04-2





**D-5100 NS AEROSOL**  
**ZC-100 BULK**

**PURE SILICONE  
LUBRICATE DISSIMILAR  
METALS AND PLASTICS**

D-5100 NS pure silicone lubricant is widely used to reduce friction between dissimilar metals, plastics and plastic/metal combinations. It also prevents freezing of door locks and rubber weatherstripping. D-5100 NS lubricant operates in a temperature range of -60 to 600°F. Silicone meets VV-D-1078.

**D-5261 NS AEROSOL**  
**ZC-261 BULK**

**CABLES, FLIGHT CONTROLS,  
HINGES AND JOINTS  
LUBRICANT/PENETRATING**

D-5261 NS is a specially formulated cleaning lubricant and solvent that will penetrate to the heart strand of cables and other tight parts. Short-term corrosion protection is also provided. For use on flight control, engine and landing gear cables; pressure seals; hinges, joints and pulleys.

**SPECS:**  
Contains MIL-PRF-7870D

**D-5263 NS AEROSOL**  
**ZC-5263 BULK**

**CABLE CLEANER AND  
LUBRICANT**

D-5263 NS is a special blend of oils formulated for cable applications. D-5263 NS has excellent water dispersing qualities and is an excellent rust preventative for general aviation use on precision-machined parts. D-5263 NS is also used to clean pylon bearings before relubrication and for cargo door lubrication.

**SPECS:**  
Contains MIL-PRF-32033  
OIL 4501-125C  
DPM-5481-1  
NATO Code: O-190

**D-5330 NS AEROSOL**  
**ZC-330 BULK**

**HIGH TEMP AREAS, THRUST  
REVERSER LUBE, MOLY OIL  
LUBE**

D-5330 NS is a highly effective lubricant and penetrant for use where high temperatures and friction are present. Use D-5330 NS on reciprocating parts, pistons, and manifold valves. D-5330 NS has little or no effect on plastics or rubber.

**SPECS:**  
DPM-5249  
LUB-4503-25C  
Approved Thrust Reverser Lubricant:  
Pratt and Whitney, General  
Electric

**D-5440 NS AEROSOL**  
**ZC-440 BULK**

**TEFLON™ DRY FILM  
LUBRICANT**

D-5440 NS is a fluorocarbon dry film lubricant that can withstand temperatures from the cryogenic range to over 500 °F. It has excellent anti-stick properties, will not stain or rust and is chemically inert.

**SPECS:**  
DPM-3494  
DMS-1762 Ty 7E  
DPM 8645

**D-5460 NS AEROSOL**  
**ZC-460 BULK**

**ENGINES, HIGH TEMP  
AREAS, MOLY DRY LUBE**

D-5460 NS provides a dry film lubricant that is non-flammable, with excellent high temperature stability to 660°F. It is also effective in engine applications including fan rotor assemblies, and fan reverser pre-cool duct seals. D-5460 NS has strong adhesion qualities and dries fast.

**SPECS:**  
GEAE DFO-A50TF192-6, 192-58  
LUB 4500-12SC  
NSN 9150-01-057-2576 Aerosol



### **D-5480 NS** AEROSOL **ZC-480** BULK

#### **DRY FILM LUBRICANT, GRAPHITE DRY LUBE**

D-5480 NS contains no grease, wax or silicone and provides a dry film lubricant stable at temperatures of up to 400°F. With a fine particulate size graphite, it is well suited for use on small, precision parts.

#### **SPECS:**

LUB 4500-35C  
P&W Hot Corrosion Compatible  
ASTM F 945

### **D-5920 NS** AEROSOL **ZC-920** BULK

#### **ICE RELEASE, RUBBER INSULATION, SEALS**

D-5920 NS is a silicone based special grease formulated to coat rubber insulation and seals. It prevents absorption or penetration of water, which may freeze. Use D-5920 NS around cargo and passenger doors, radome seals and other rubber-to-metal joints subject to freezing.

#### **SPECS:**

UAL—AGE-3020-SC



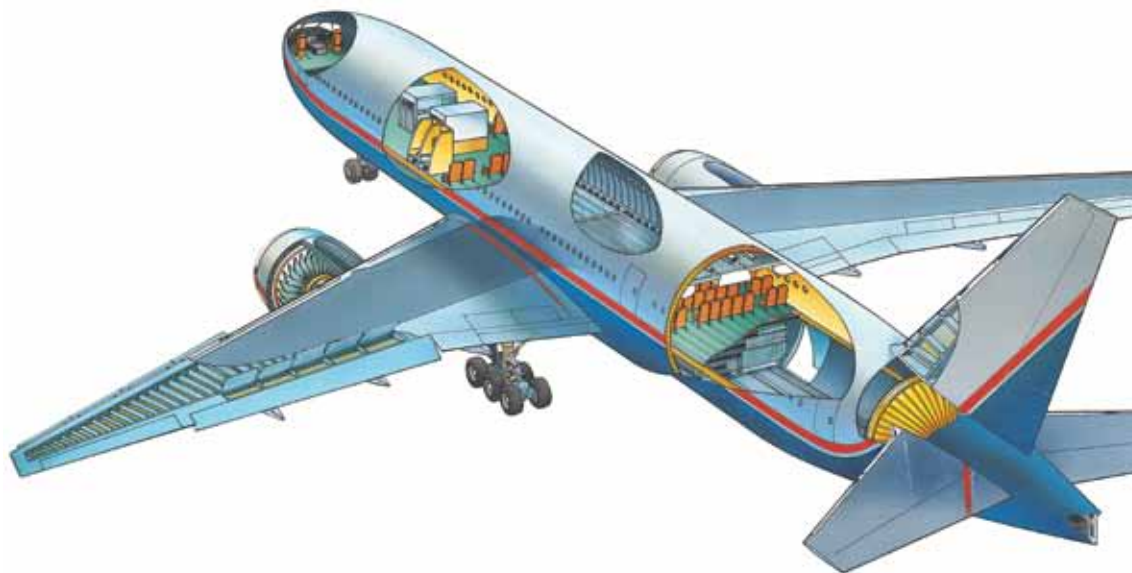
### **D-5933 NS** AEROSOL

#### **MULTI-PURPOSE GREASE, M.P. AIRCRAFT GREASE**

D-5933 NS is **Aeroshell® 33** in an aerosol. The aerosol application allows for precise product application and minimizes waste and build-up in use. D-5933 NS is non-flammable and has excellent corrosion inhibiting and oxidation resistant properties. Used as a general airframe lubricant, D-5933 NS is highly resistant to rubbing and wiping.

#### **SPECS:**

BMS 3-33B TY 2  
AMS-M 3052  
Airbus 09-06-002



# Sur-Prep™

## Sur-Prep™ AP-1 AEROSOL & BULK

### EXTERIOR PAINT ADHESION PROMOTER

Sur-Prep™ AP-1 is a custom formulation for the chemical reactivation of aircraft topcoats. It eliminates the need for “scuffing” the surface to create an adequate substrate for adhesion of subsequent coatings.

#### SPECS:

D6-1816 Process Doc Decorative Finishes  
BMS10-127 “Chemical Reactivator for Paint Applications”  
BAC 5308 Application of Stencils  
4 oz can:  
NSN 8010-01-600-1533  
11 oz can:  
NSN 8010-01-600-2254  
USAF T.O. 1-1-8

## Sur-Prep™ 225G AEROSOL

### PRECISION CLEANER AND OXYGEN SYSTEMS CLEANER

This non-flammable (HCFC) fast-drying cleaner can be used safely on activated circuits, instruments, connectors, and oxygen system equipment. It functions very well on bearing grease cleaning.

#### SPECS:

KSC-SPEC-P-0022  
NSN: 6850-01-531-3524

## Sur-Prep™ 608 AEROSOL

Sur-Prep™ 608 contains no ozone depleting chemicals and is excellent for precision cleaning and degreasing of activated circuits, switches, motors, and avionics and is safe for use on a broad range of plastics and insulating coatings. It is non-flammable, non-corrosive and fast evaporating.

#### SPECS:

Mil-PRF-29608 Ty I Class C  
Boeing D6-17487

## Sur-Prep™ SB642 AEROSOL & BULK

Sur-Prep™ SB642 is an all-in-one cleaner, degreaser, polish protectant that can be used on both painted and unpainted substrates to clean the surface and leave a residual gloss and shine. Sur-Prep™ SB642 can be applied in all types of weather. Sur-Prep™ SB642 is non-abrasive and is silicone free and is safe on all types of finishes.

#### SPECS:

Boeing D6-17487R  
Boeing CSD No. 1  
Airbus AIMS 09-00-002  
AMS 1550B  
AMS 1526C  
AMS 1650C (except viscosity)

## Sur-Prep™ 3160 AEROSOL & BULK

### CLEANER FOR BONDING AND PAINTING

This hydrocarbon-based wipe-on wipe-off cleaner is used to enhance the adhesion of coatings and sealants.

#### SPECS:

MIL-PRF-680 Ty II (Ty I & III also available)  
AMS 3160  
TT-T-291F  
A-A-2904  
Bombardier CPM PSM 1-84-18-08-10 (Task)

## Sur-Prep™ 5650 AEROSOL

Sur-Prep™ 5650 is a fast evaporating, general purpose, cleaning and degreasing agent containing n-propyl bromide. It has been formulated to quickly penetrate and remove the toughest soils and contaminants. Sur-Prep 5650 is a non-flammable, VOC-exempt cleaner that can be used to replace HCFC-141b cleaning applications.

#### SPECS:

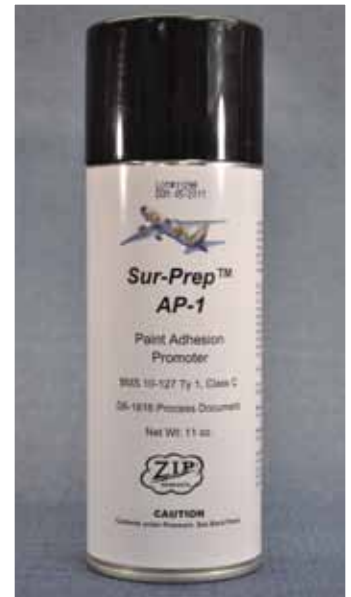
Boeing D6-17487

## Sur-Prep™ 5673 AEROSOL & BULK

Sur-Prep™ 5673 facilitates fast and efficient removal of flux residues associated with bench top avionics repair. This multi-functional azeotrope is also effective as a contact cleaner for energized circuits with efficacy on a broad range of organic and inorganic contaminants. Check compatibility on certain rubber and plastic substrates.

#### SPECS:

Boeing D6-17487  
ASTM D-877





### D-5603 NS AEROSOL

#### ELECTRO-FREEZE

D-5603 NS is an effective aid in locating defective components in electrical and avionics circuitry. D-5603 NS can also prevent heat transfer during soldering. It is non-flammable and ozone safe.

#### SPECS:

Air Standard 700-83  
DPM 6372  
UAL GAS 3001-SC  
A-A-58060

### D-5605 NS AEROSOL

#### PRECISION INSTRUMENT DUST REMOVAL

D-5605 NS uses non-ozone depleting compounds to generate a highly filtered stream of dry air for cleaning. D5605 NS effectively removes dust and other contaminants from precision parts and instruments. Pressurized to 120 PSI, the aerosol is moisture-low for truly clean contacts and assembly.

#### SPECS:

Air Standard 700-83  
DPM 5148  
A-A-58060

### D-5640 NS AEROSOL

#### ZC-640 BULK

#### GENERAL PURPOSE PRECISION CLEANER

D-5640 NS is a general purpose cleaner for removal of CICs, cleaning before painting, equipment degreasing and parts washing. It is also used in pressure cleaning and handwipe applications. It is free of materials on the EPA list of toxic/hazardous substances and CFCs. It is biodegradable, and leaves no residue.

#### SPECS:

Boeing D6-17487 Rev. L  
CSD-1  
ASTM F 945  
FedEx E.O. 9-5100-7-5001

### D-5652 AEROSOL

#### PRECISION CONTACT CLEANER

D-5652 offers a selective but wide range of solvency for use in activated circuits and sensitive plastic components. D-5652 exhibits an extremely low level of ODP, approximately 0.03. It has a very low surface tension and solubilizes fluorinated and perfluorinated greases. Cleaning APU components, bearings and oxygen system equipment is safe and easy with D-5652.

### D-5665 NS AEROSOL

#### ZC-665 BULK

#### ZERO ODP CONTACT CLEANER

D-5665 NS exhibits zero ozone depletion, total non-flammability and is a safe and effective cleaning agent. It is extremely useful in and around activated circuits where flushing and fast drying are essential.

#### SPECS:

BAC 5750  
BAC 5402  
Mil-STD-1330

### Sur-Prep™

#### 5677 AEROSOL & BULK

Sur-Prep™ 5677 is a fast evaporating solvent blend that works on both oil and oil-bonded contaminants. This product is used for preparing critical surface areas prior to painting or bonding as well as electrical contacts. Sur-Prep™ 5677 helps coatings and sealants adhere to aircraft substrates by efficiently solvating a broad range of contaminants from the substrate surface.

#### SPECS:

Boeing D6-17487  
CSD No. 1  
Airbus AIMS 09-00-002  
AMS 3167

### D-5695 NS AEROSOL

#### ZC-695 BULK

#### ECONOMICAL CONTACT CLEANER

D-5695 NS cleans mission-critical electrical connectors in fire detection systems. It delivers an uncontaminated, ultra filtered stream of methanol to the exact area desired. Also used for general cleaning of hermetic connectors, PC boards and other parts.

#### SPECS:

ASTM D-1152

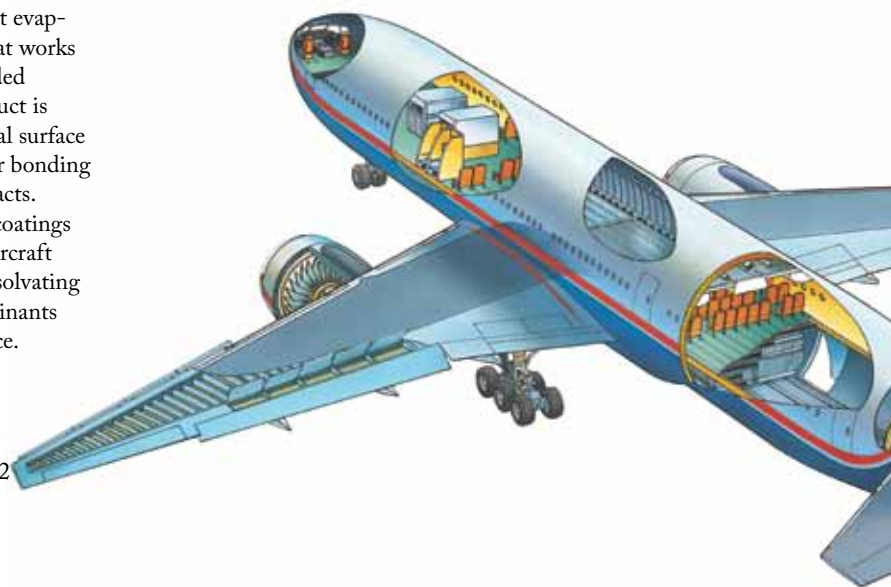
### Sur-Prep™

#### AR-58 AEROSOL & BULK

SurPrep™ AR-58 is a solvent blend that removes various adhesives. SurPrep™ AR-58 works to remove adhesives from various substrates including metal and paper. It is recommended that it be tried on small areas for compatibility with plastics. SurPrep™ AR-58 evaporates completely so that there is no residual left behind to interfere with future bonding and can be used on paper and porous surfaces without remaining imbedded in the substrate.

#### SPECS:

Pending



## EXTERIOR AIRCRAFT CLEANERS

### CallaSolve™ 120

**BULK**

#### HEAVY DUTY EQUIPMENT CLEANING

CallaSolve 120 is a water dilutable, terpene-based emulsion cleaner. It is for heavy duty cleaning of aerospace equipment including aircraft, ground equipment and AGE engines. CallaSolve 120 is authorized for use on general aircraft per T.O. 1-1-691 and T.O. 1C-135(K) A-3-4 for cleaning.

#### SPECS:

MIL-PRF-87937D Type 1  
DPM 5278-1  
T.O. 1-1-691

### Calla® 301A

#### DEGREASER, LARGE SURFACES

Zip-Chem's C-301A is for degreasing and cleaning large surface areas. C-301A features a completely biodegradable formulation with no petroleum-based solvents. C-301A will not harm aluminum, magnesium, copper, steel or other metals. C-301A rinses easily and leaves no residue.

#### SPECS:

CSD-1  
AMS 1526-C  
AMS 1550-B  
BAC 5744  
Boeing D6-17487 REV P



### Calla® 800 BULK

#### EXTERIOR WASH

C-800 is a general-purpose exterior cleaner formulated to meet US Air Force and other specifications. This product is effective in a wide range of concentrations and is fully biodegradable. The material is authorized for use in aqueous cleaning per T.O. 1-1-691 or T.O. 1C-135(K)A 3-4.

#### SPECS:

QPL Ref. SFTT-85-05  
MIL-PRF-87937D Type II

### Calla® 804

#### CLEANING AND DEGREASING COMPOUND

C-804 is a cleaner used on heavy deposits of grease, oil, hydraulic fluid and carbon. Its effective cleaning capability is matched with low toxicity in a neutral pH, biodegradable formulation. C-804 has no flash point and generates very little odor. Use C-804 as a full aircraft wash and for interior spot cleaning.

#### SPECS:

MIL-PRF-87937D Type IV

### Calla® 7127 BULK

#### BIRD STRIKE CLEANER

Calla 7127 Disinfectant is formulated to disinfect hard, non-porous, inanimate environmental surfaces. Calla 7127 for use in transportation terminals and on airplanes. Boeing has called out Calla 7127 for bird strike cleanup.

#### SPECS:

Boeing D6-7127  
D6-17487  
EPA Reg. No. 1839-173-67026  
P&W: PWA 36604 REV D

### Calla® 8050 BULK

#### WHEEL WELLS, FLAP WELLS

C-8050 is a non-solvent, gel cleaner specifically formulated for wheel wells and landing gear. An alkaline, water-based formulation, C-8050 provides longer dwell time in critical cleaning areas and will help maintain surfaces that are oxide-free, clean and shiny.

#### SPECS:

AMS 1533  
CSD-1

### AN-2001P

**BULK**

#### EXTERIOR DRYWASH AND POLISH

AN 2001P is recommended for cleaning and protecting all painted surfaces. AN 2001P includes UV absorbers to enhance the quality and durability of aircraft surfaces. Apply with a mop or any standard wax applicator and buff off when dry.

#### SPECS:

CSD #1  
Boeing D6-17487 Rev. L  
AMS 1650 B Types 1 and 2

### Jet Brite™ 550

#### EXTERIOR DRYWASH AND POLISH

Jet Bright 550 is a polishing paste used to clean and brighten bare aluminum. It can be used to remove oxidation and brighten painted surfaces as well. Jet Brite 550 also includes UV absorbers for increased quality and durability of aircraft surfaces. It can be applied with a mechanical buffer or by hand.

#### SPECS:

CSD #1  
Boeing D6-17487 Rev. L  
AMS 1650 B Types 1 and 2

### Sur-Prep™ SB642

See page 8

**Calla®**



### Zip-Strip™ 125

AEROSOL & BULK

#### WATER RINSEABLE CIC REMOVER

Zip-Strip 125 is for the removal of wet, waxy and/or dry film corrosion inhibiting compounds (CICs). It can be rinsed with water and is extremely effective against MoS2 grease, hydraulic fluid, wax and carbon deposits. Use throughout the aircraft without concern for damage to paint, sealants or acrylic surfaces.

#### SPECS:

D6-17487 Rev N (Boeing)  
GAC115AD

### Zip-Strip™ 125 Military

AEROSOL & BULK

Zip-Strip™ 125 Military was designed specifically for removal of wet, waxy and/or dry film CIC's (corrosion inhibiting compounds). The material is water rinseable and is very effective even after short dwell time. The product is extremely effective on a wide range of aviation soils such as MoS2 grease, hydraulic fluid, wax and carbon deposits. Zip-Strip™ 125 Military can be applied by aerosol, airless, air-assist, dipping, or brushing. Zip-Strip™ 125 Military does not contain any terpenes.

#### SPECS:

Pending

### Calla® 500 BULK

Calla 500 is a highly concentrated and versatile alkaline water base cleaner that meets all requirements of specification Mil-C-25769G. It is primarily intended for removal of exhaust stains and general aircraft cleaning. When tests are conducted in accordance with Mil-C-25769G, Calla 500 is safe on aluminum alloys, magnesium alloys and cadmium plated steel; does not cause crazing or cracking of acrylic base plastic under stress and there is no attack on the plastic.

#### SPECS:

Mil-C-25769G  
AMS-1526-B  
D6-17487  
CSD-1

## SPECIALTY CLEANERS: PARTS WASHERS

### Calla® 296 BULK

#### CONCENTRATED PARTS CLEANER - EMULSION TYPE

Calla 296 is for use in aqueous parts washing cabinets. It is low foaming at temperatures as low as 160°F and removes dirt and grease from parts.

#### SPECS:

Source Control Drawing 9825019  
Rev. C  
Mil-C-29602 except Section 3.7 (pH)  
T.O.-4B-1-32, 4S-1-182, 4W-1-61  
NSN: 6850-01-485-5950  
6850-01-485-5932  
6850-01-485-5972  
AF DWG 9825019-17, -19, 21

### Calla® 602 LF

BULK

#### CONCENTRATED PARTS CLEANER - NON-EMULSION TYPE

Calla 602 LF is an aqueous parts washer cleaner effective at 5% dilution with water. It is low foaming at temperatures as low as 130°F and quickly separates from oils and greases to allow effective use of skimming wheels.

#### SPECS:

Source Control Drawing 9825019  
Rev. C  
Mil-C-29602 except Section 3.7 (pH)  
T.O.-4B-1-32, 4S-1-182, 4W-1-61  
NSN 6850-01-513-5230 (1 gallon)  
NSN 6850-01-513-5237 (5 gallons)  
NSN 6850-01-513-5233 (55 gallons)  
AF DWG 9825019-17, -19, -21



### INTERIOR AIRCRAFT CLEANERS

#### X-200 12-OZ. PLASTIC BOTTLES

##### GUM AND ADHESIVE REMOVER

X-200 removes gum, adhesives, crayon marks, lipstick, mascara and tar from carpeting, upholstery, metal and plastic surfaces. It leaves no residue.

**SPECS:**  
CSD-1  
Flame Retardant AMS 1630A  
Poly Test per MIL-C-85570B

#### X-405 SPRAY BOTTLE & BULK

##### GLASS CLEANER/EFIS WIPES\*

X-405 is a water based alkaline transparency cleaner, with no solvents. X-405 is non-toxic, non-flammable and biodegradable.

**SPECS:**  
AMS 1535; 1534 Ty I  
ARP 1755 B  
CSD-1; D6-17487  
Rockwell Collins  
SIL 00-2



#### X-410 Q SPRAY BOTTLE & BULK

##### AEROCLEAN 410Q INTERIOR CLEANER

X-410 Q cleans cabin interior surfaces, such as tray tables and overhead compartments. This green biodegradable cleaner is lightly scented.

**SPECS:**  
CSD-1  
AMS 1550-A  
Boeing D6-17487



#### C-301-A-Lemon BULK

##### DEGREASER, LARGE SURFACES

C-301-A-Lemon degreaser is for cleaning large surface areas. It is biodegradable with no petroleum-based solvents. It will not harm aluminum, magnesium, copper, steel or other metals and rinses easily with no residue.

**SPECS:**  
CSD-1  
AMS 1526-A  
AMS-1550-A

#### Odor Fresh

##### PUMP SPRAY & BULK

Odor Fresh is a water based pump spray odor neutralizer. Odor Fresh neutralizes both basic and acidic odors at the same time using its unique chemistry. It is non-flammable, non-toxic, and biodegradable. Odor Fresh contains a pleasant fragrance to replace the odor that has been neutralized. Odor Fresh is safe on all surfaces and contains no alcohol, solvents or propellants.

**SPECS:**  
AMS 1550B  
Boeing D6-17487  
Boeing CSD-1.

#### AN-300 D BULK

AN-300 D is a non-formalin based, non-toxic toilet deodorant. AN 300 D is a dark blue liquid with a cherry odor.

**SPECS:**  
AMS 1476 A

### INTERIOR AIRCRAFT DISINFECTANT CLEANERS

#### Calla 1452

##### CONCENTRATED DISINFECTANT, HARD SURFACE CLEANER

Calla 1452 Neutral Disinfectant Cleaner is a phosphate-free, pH neutral formulation designed to provide effective cleaning, deodorizing, and disinfection. Calla 1452 exhibits effective virucidal activity against HIV-1, HIV-2, HBV, HCV, Herpes Simplex (see label for full list).

**SPECS:**  
AMS 1453  
AMS 1452 Disinfectant  
AMS 1530B Wipe-off Cleaner  
EPA Reg. No. 1839-168-67026  
NSN: 6850-01-561-3126  
(32 oz spray)

#### Calla 1000 BULK

##### CLEANER, DISINFECTANT, DEODORIZER - FUNGICIDE, MILDEWSTAT, VIRUCIDE

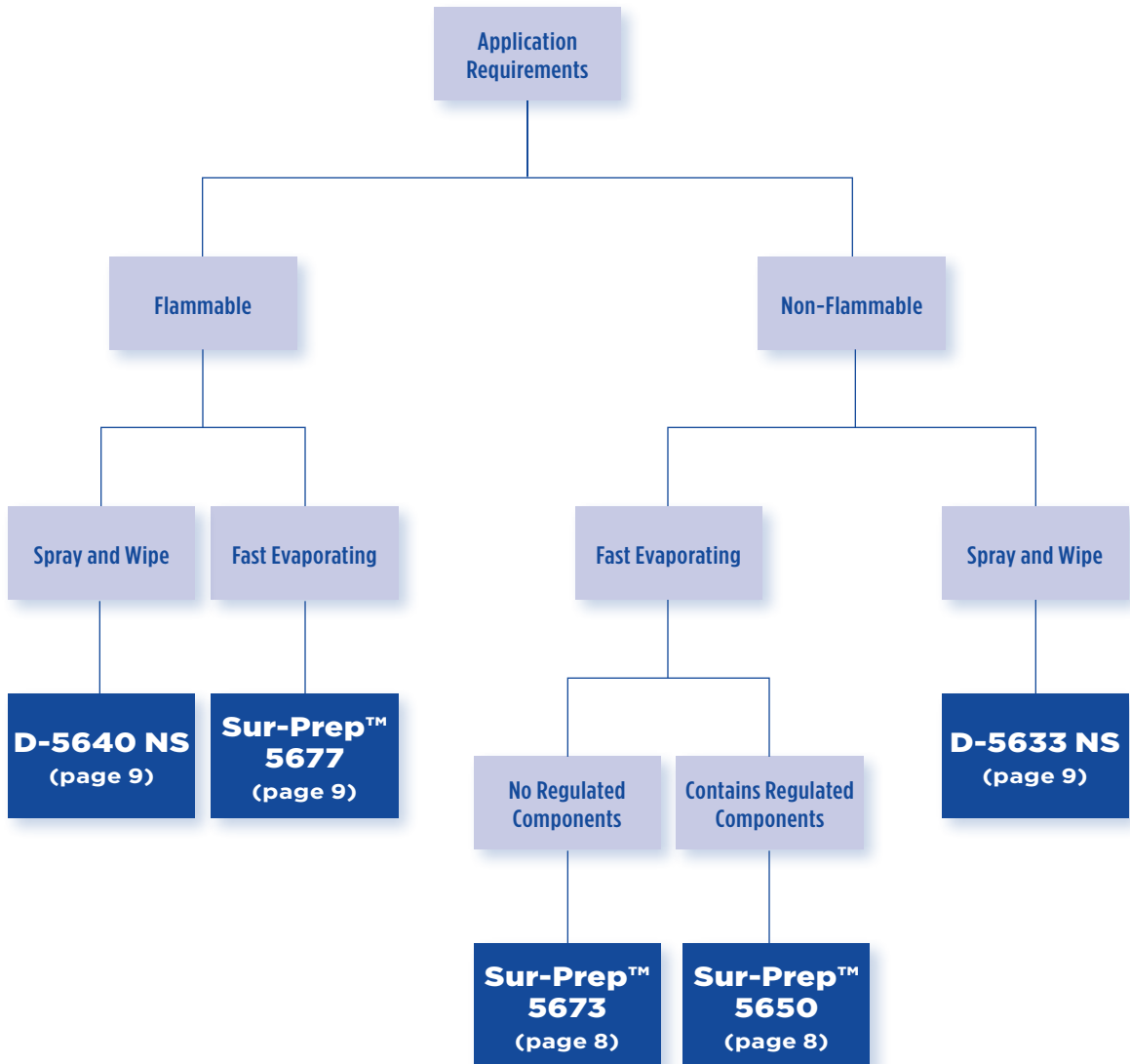
C-1000 is a broad-spectrum antimicrobial cleaner that will disinfect, sanitize and deodorize hard, non-porous substrates. C-1000 also controls the growth of mold, mildew and pathogenic fungi. It is an excellent laundry and carpet sanitizer, with a lemon fragrance. As a virucide it is effective against 9 contagious viruses including HIV and HBV, Avian Flu.

**SPECS:**  
EPA Reg. No. 61178-1



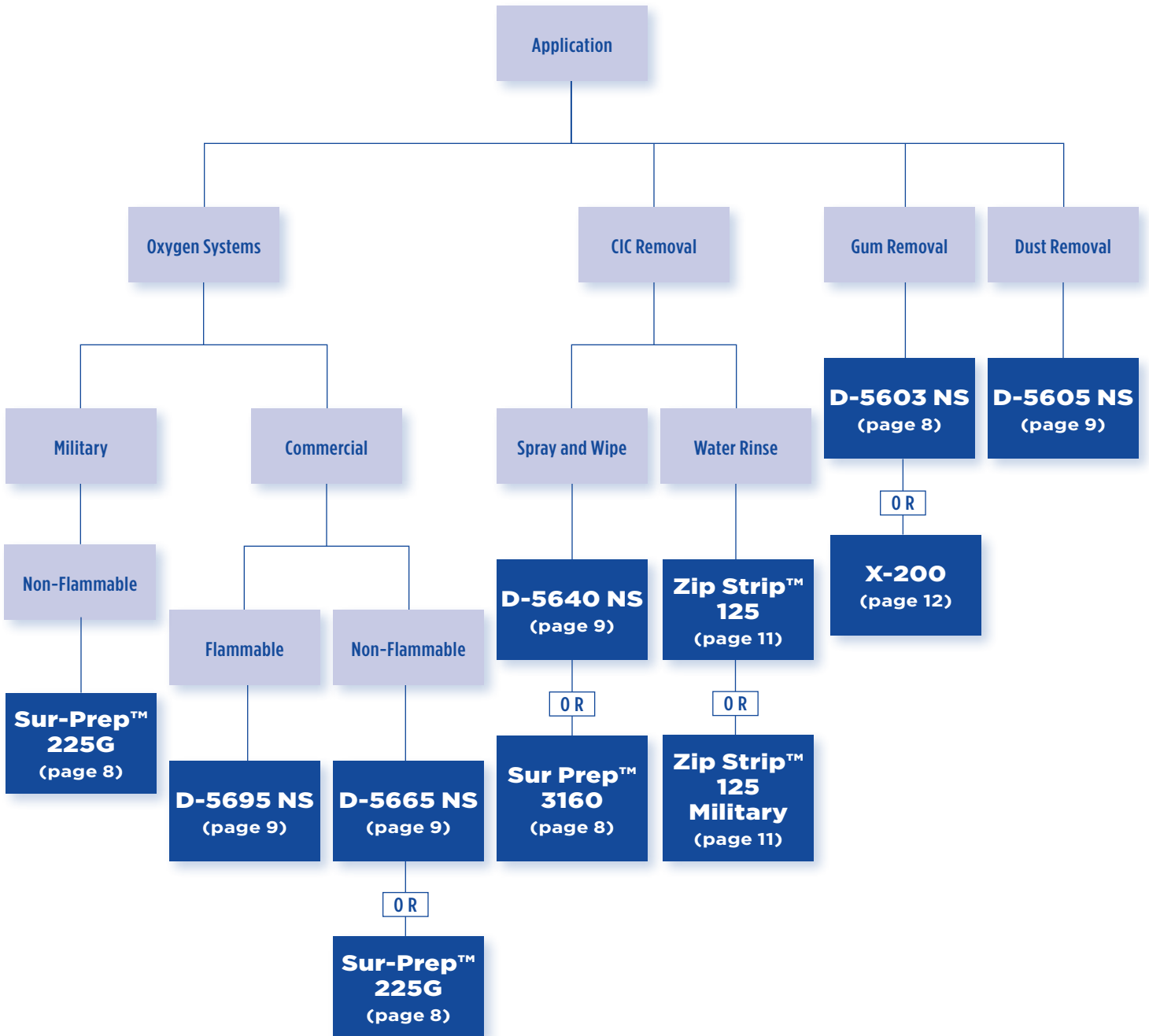
# Quick Reference

## GENERAL PURPOSE CLEANERS



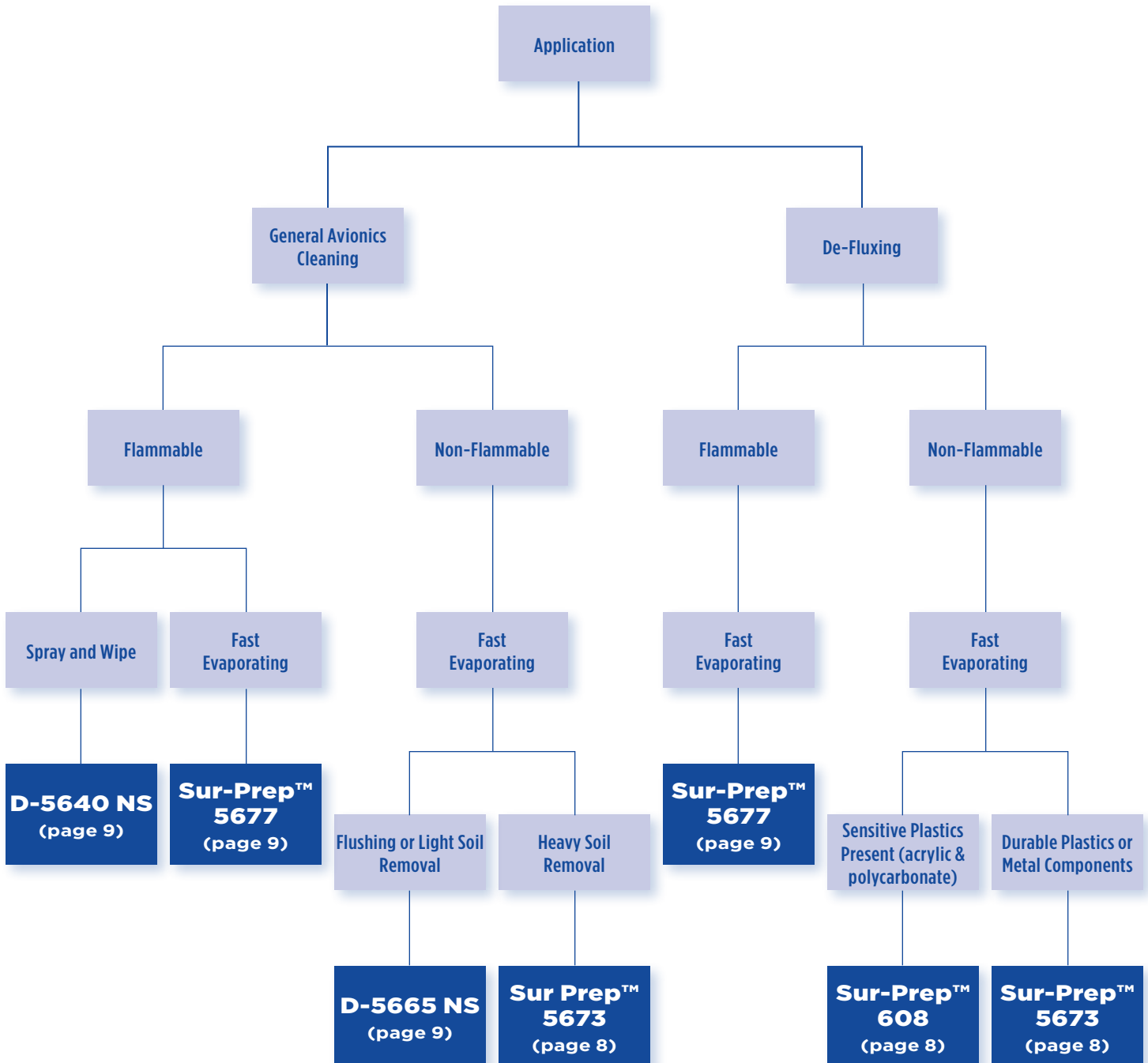
# Quick Reference

## SPECIALTY CLEANERS



# Quick Reference

## AVIONIC CLEANERS





**ZIP-CHEM® PRODUCTS**

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AS9100 (Rev C) and  
ISO 9001-2000 Certified

