ZIP® CHEM

ENSURING AIRCRAFT PERFORMANCE AND LONGEVITY

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





Part of & ADDEV MATERIALS

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

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.

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**

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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

P.8 - 11



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

P.12 - 15



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

P.16 - 17



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

P.18 - 19



Accu-Cool®
& Specialty Products

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

For more information contact us: **zipchem@addevmaterials.com**

Cor-Ban® corrosion inhibiting compounds

Structural Corrosion Inhibitors

Cor-Ban® 35

NSN: 6850-01-492-2932, 8030-01-531-7358 (Aerosol), 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

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

SPECS:

Airbus CML 12ADB1 (AIMS 09-08-003)
Airbus Canada A2MS 565-006 Type Va
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 IXA
Cessna MEL-51-01
Mil-DTL-85054D
Dassault: DGQT 1.7.0.0222
Dassault: DGQT 0.4.2.0488A Type II
Gulfstream: GAC115AD
Sikorsky : SS 8536 Type II
Sukhoi: RRJ0000-RE-811-2559
de Havilland: DHMS C 4.12
Viking: VMS C4.12
FedEx: A30-51-001
T.O. 1C-130A-23
T.O. 1C-130J-23

Cor-Ban® 23

NSN: 8030-01-531-7361

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:

AIMS 09-08-001 Type I Grade 3 (Meets)
Airbus Canada CML 15-033 (A2MS 565-006 TY V)
BAMS 565-006 Ty V (QPL)
BMS 3-23K Ty II Class 2 Grade A & B
BMS 3-35
Cessna CSN038 Type IXA
Cessna MEL-51-01
Dassault DGQT 0.4.2.0488A Type Ib
Dassault DGQT 1.7.0.0222
DHMS C4.12 Type II Grade 3 & 4 (QPL)
Fed-Ex: E.O. 9-5100-7-5001
MEP 10-063 (QPL)

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 Canada A2MS 552-010 Type 2
Airbus CML 06LGG5 (05-133)
BMS 3-38B
CSNP038 Ty VIII
DPM 6498
Embraer: E9447580
GMS 4109 Rev C
HMS 20-1267/2372
Lilium LD0004650
Goodrich LGQP 5010E TY V
MEP-QPL-09-075
Sikorsky SS8689 REV 6 (-002)
T.O. 4S1-108-1
T.O. 4S1-182
T.O. 4W-1-61



Bulk / Aerosol / HFC HFC Gas

Cor-Ban® 12

NSN: 8030-01-531-7361

A water-based and durable temporary protective coating

FOR ALUMINIUM SUBSTRATES

- Free of metals and heavy metals
- Protects from mechanical damage during fabrication and assembly operations
- Easily removable with a suitable alkaline wash process cleaner

Applications: Aluminium substrates

Cor-Ban® 22 HFC

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
- stops corrosion from continuing

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

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



For more information contact us: **zipchem@addevmaterials.com**



Avionic Corrosion Inhibitors

D-5015NS/ZC-015

A light lubricant

FOR AVIONICS, ELECTRONICS

- forms a soft, ultra thin protective film
- prevents oxidation and fretting 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 2 Grade B: CO_2 (Aerosol)

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

Sikorsky SS8536

D-5026NS/ZC-026

Corrosion preventive and lubricant

FOR AVIONICS, CABLES

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

Applications: Use on critical metal surfaces and avionic components

SPECS:

AD 2002-16-03 (Aerosol & Bulk)

Airbus CML 12ABD1

Airbus Helicopters: ECS 7464

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

COMAC CMS-CT-506

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_2 (Aerosol)

Sikorsky SS 8536 Type 1



Corrosion Inhibitors for parts storage

D-5010NS/ZC-010

Penetrating oil to loosen frozen parts

FOR AIRCRAFT PARTS

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

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

SPECS:

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

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

Solar Turbine ES9-249 (turboma-chinery preservation) (Aerosol & Bulk)

For more information contact us: **zipchem@addevmaterials.com**

Sur-Prep® surface preparation & avionics cleaners

Surface Preparation

Sur-Prep® AP-1 KIT

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

A paint adhesion promoter

FOR PAINTED 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"

Boeing: BAC 5308, BAC 5075, BAC 5098, BAC 5305, BAC 5312, BAC 5705, BAC 5845, BAC 5983

Embraer MEP 09-105 (Painting Adhesion Promoter)

T.O. 1C-130A-23, T.O. 1C-130J-23

Sur-Prep® AR-58 HFC

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 towelettes

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

Sur-Prep® PenEtch HFN KIT

A pre-metered etchant solution

FOR USE ON TITANIUM ALLOYS

- Easy to mix and use
- Minimum exposure to chemicals
- Can be stored long term until needed for usage

Applications: titanium and titanium alloys, such as fan blades

SPECS:

Boeing Task 70-43-24-100-801-G00 Class B Call Out

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) Solvent 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 HFC

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) Solvent 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







Bulk / Aerosol / Wipe / HFC HFC Gas / KIT





For more information contact us: **zipchem@addevmaterials.com**

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:

Tested to Airbus AIMS 09-03-000

Boeing: D6-17487

Cessna SPM 51-30-10: CIC Remover

Sur-Prep® 2100

An alcohol window cleaner

FOR USE ON 787 FLIGHT COMPARTMENT WINDOWS

- Safe on 787 flight compartment windows
- Available in ready-for-use packaging
- Very effective in wipe-on and wipe-off applications

Applications: interior and exterior of the flight compartment windows

SPECS:

Boeing PMC-B787-81205-A8101-00

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

NSN: 6850-01-628-2147

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

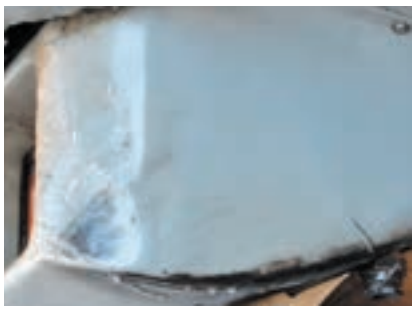
SPECS:

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









Application of Sur-Prep SB642

Sur-Prep® SB642 REACH

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

Bulk / Aerosol / Wipe / Spray bottle / HFC HFC Gas / REACH

Contact cleaners

Sur-Prep® 5680

A contact cleaner and defluxer

FOR ELECTRONIC COMPONENTS & ENERGIZED CIRCUITS

- Non-flammable
- Fast evaporation
- Cleans resin solder flux residues

Applications: electronic components and energized circuits

SPECS:

Airbus ABR 9-0140	Airbus AIMS 09-03-001
Airbus AIMS 09-00-002	Boeing BAC 5750
Airbus AIMS 09-03-000	Boeing BSS 7432

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



Sur-Prep® 5602 HFC

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
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

Calla® aircraft cleaners & disinfectants

Exterior Cleaning Compounds

Calla® 301A

Green Solution

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:

Airbus Canada CML 11-118
Airbus CML 08ABC1
Airbus CML 08 ACA1
AMS 1526C, AMS 1550B
Boeing D6-17487 and CSD-1
Boeing BAC 5744 (Called Out In Process Document)

CallaSolve™ 120

REACH

A water dilutable cleaner

FOR HEAVY DUTY EQUIPMENT

- terpene-based emulsion cleaner

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

SPECS:

MIL-PRF-87937 Type 1
DPM 5278-1
T.O. 1-1-691
T. O. 1C-135(k)A-3-4

Calla® 800 (Military)

REACH

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)



Bulk / Aerosol / Spray bottle / REACH



Zip-Strip™ 125 M

NSN: 6850-01-707-8887

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_2 grease, hydraulic fluid, wax, and carbon deposits

SPECS:

AIMS 09-00-002
Boeing: D6-17487
T.O. 1C-130A-23
T.O. 1C-130J-23

Calla® 8050

REACH

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 D6-17487

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

REACH

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
Boeing: D6-17487 and CSD-1
Mil-C-25769G

Calla® 805

REACH

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



For more information contact us: **zipchem@addevmaterials.com**



Interior Cleaners

X-405

Green Solution

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

A water based, anti-static 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:

Airbus CML 08AFA1
AMS 1534 Ty I
AMS 1535
Boeing: D6-17487 and CSD-1
TO: 1C-130A-23

X-410 Q

Green Solution

An environmentally friendly cleaner

FOR AIRCRAFT 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

REACH

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:

Airbus Canada CML 11-118
AMS 1526A
AMS 1550A
Boeing: CSD-1

Speciality Cleaners

X-200

A gum remover

FOR HARD AND SOFT SURFACES

- removes gum from carpet and other surfaces
- safe citrus oil based cleaner

Applications: removes gum from carpet and other surfaces

SPECS:

Flame Retardent AMS 1630A
Boeing: D6-17487 and CSD-1

AN-300 D

REACH

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:

Airbus CML 11GCA1 (AMS 1476A)

Bulk / Wipe / Spray bottle / REACH / BIOCIDE

Calla® aircraft cleaners & disinfectants

Disinfectants

our solutions to fight Covid-19

AeroDis® 7127

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
- ▶ USDA APHIS-authorized for use against high-consequence animal diseases (ASFv, FMDv)

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

SPECS:

AMS 1452, AMS 1550
Boeing D6-7127
Dassault FSN-253-R03-A

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

BIOCIDE

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:

Air France PV n°13670
Airbus Canada CML 11-117
Airbus CML 11AAA2
AMS 1452,1453,1530B and 1550B
Boeing D6-7127 and D6-17487
Dassault FSN-253-R03-A
NAVAIR: 01-1A-509-2
T.O.: 1-1-691, 1C-130A-23, and 1C-5A- 23-1
TM 1-1500-344-23-2

**Calla 1452 Ready-to-Use is not available in the U.S.*





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**

Aero-Lube™ lubricants & lubricating compounds

Lubricants

D-5100 NS/ZC-100 HFC

NSN: 9150-00-269-8249

A 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-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)



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

ASTM F 945 (Aerosol & Bulk)

LUB 4500-35C (Aerosol & Bulk)

Mil-PRF-32033

NATO Code: O-190 (Aerosol & Bulk)

UAL OIL 4501-125C

D-5440 NS/ZC-440 HFC

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-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: A50 TF192 Class C-6, 192-58 (Aerosol & Bulk)

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

Bulk / Aerosol / HFC HFC Gas



Greases

D-5933 NS

An aerosolized grease

FOR MULTI -PURPOSE

- precise product application
- provides complete lubrication of complex geometries

Applications: general airframe lubricant

SPECS:

Boeing QPL: BMS 3-33C Type 2

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

Airbus Military CML 04-039

D-5920 NS/ZC-920 HFC

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**

Accu-Cool® and 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:

Airbus CML: 14ACA1

AIMS 09-11-002 (Meets requirements)

Accu-Cool® 342

A heat transfer fluid

FOR USE ON BOEING 787 AIRCRAFT

- no flash point
- NSF rated for 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)



Bulk / KIT



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
- 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 Longer wand lenghts are available
- 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**

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WHERE TO BUY

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Part of ADDEV MATERIALS

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