D-5010NS/ZC-010 Instruction Manual

Safety Steps and Procedures To Follow Prior To Applying D-5010NS/ZC-010:

Always refer to the **safety data sheet (SDS)**, **technical data sheet (TDS)**, and **label** prior to applying **D-5010NS/ZC-010** if you have any questions about these products.

Always wear gloves, protective clothing, and protective eyewear to prevent **D-5010NS/ZC-010** from making contact with the skin and eyes.

When working with atomized version of **D-5010NS/ZC-010**, always wear a proper mask and ensure that there is adequate ventilation in the area where **D-5010NS/ZC-010** will be applied to prevent the inhalation of fumes from these products.

Make sure there are no sparks, open flames, or other combustible sources in the area where **D-5010NS/ZC-010** will be applied.

Ensure that any primers and other coatings are cured before applying **D-5010NS/ZC-010**.

Prior to applying **D-5010NS/ZC-010**, always cure sealants according to the instructions established by the manufacturer.

Vacuum and wipe surfaces so that moisture and other foreign material that is on the surface can be removed.

Clean surfaces with the following aliphatic naphtha based wipe solvents, such as **Sur-Prep® 3160**, **Sur-Prep® 3167**, and **D-5640NS/ZC-640**.

Do not use Isopropyl alcohol and acetone to wipe and clean the surface.



If the sprayed form of **D-5010NS/ZC-010** shows fisheyes, separations, or anything that prevents it from being homogeneous and free of voids, then the surface is not clean and needs to be vacuumed and/or wiped again.

Areas To Mask Prior To Applying D-5010NS/ZC-010:

Mask areas that will not be coated with **D-5010NS/ZC-010**, such as oxygen system components (i.e. bottles, pressure metering and indicating equipment and connections, ect).

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D-5010NS/ZC-010 Product Information and Benefits:

D-5010NS/ZC-010 is a penetrating oil and corrosion inhibitor that removes light rust formations, penetrates rust, prevents rust and corrosion on all metals, displaces moisture, and is free of chromates and heavy metals.

D-5010NS/ZC-010 is harmless to plastics, rubber, and painted or plated surfaces.

D-5010NS/ZC-010 prevents electrolysis, has a low toxicity level, is non-conductive, and neutralizes acids that are left by fingerprints.

D-5010NS/ZC-010 lubricates beneath corroded surfaces, loosens and lubricates frozen parts, neutralizes and retards the effects of acids, alkalies, and corrosive environments.

D-5010NS/ZC-010 displaces moisture and small amounts of moisture left by condensation and neutralizes acid left by fingerprints.

D-5010NS/ZC-010 protects engines and small parts that go into long term storage and has a low toxicity level.

D-5010NS/ZC-010 penetrates to loosen threaded fasteners and shear pens.

ZC-010 is an excellent internal preservative for storage of turbine engines.

D-5010NS/ZC-010 Appearance Standards:

When applied properly, **D-5010NS/ZC-010** will remain in an oily state without congealing or becoming gummy.

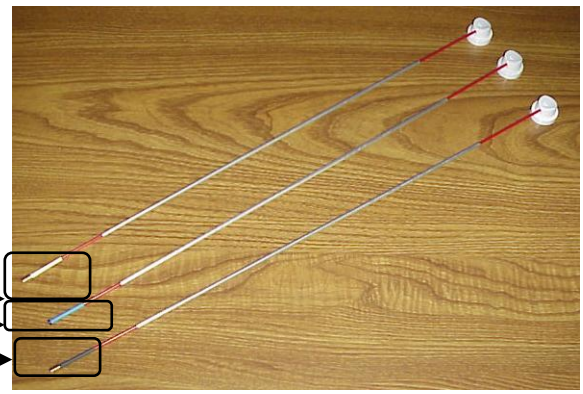
Areas Where D-5010NS/ZC-010 Should Be Applied:

D-5010NS/ZC-010 should be applied on aircraft, engine parts, engines, and small parts.

Procedures For Applying D-5010NS/ZC-010:

D-5010NS is the aerosol version of **ZC-010** and can be applied via the following methods below.

*Spraying via aerosol
***Formit®** Extension Wands-For use with all **Zip-Chem®** aerosols to reach difficult to access areas, such as stinger edge
***Zip-Chem® Aerosol Trigger Sprayer** that is designed for use with any **Zip-Chem®** aerosol can.



***Formit® 360° Spray (White Tube) Wand**
***Formit® Fan Spray Spray (Blue Tube) Wand**
***Formit® 180° Spray (Black Tube) Wand**

Zip-Chem® Aerosol Trigger Sprayer



Part of ADDEV MATERIALS

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Methods For Applying D-5010NS/ZC-010:

*__Formit® 360°__ Spray Application Video



*__Formit® Fan__ Spray Application Video



*__Formit® 180°__ Spray Application Video



ZC-010 is the bulk version of **D-5010NS** and can be applied using application methods that are suitable for use with applying this material.

D-5010NS/ZC-010 Product Pictures and Zip-Chem® Product Packaging Part Numbers:

D-5010NS/ZC-010
*Case of 12 of 16 fl oz (473 mL) Aerosols **(D-5010NS)-002045**
*Case of 12 each Quart (946 mL) units **(ZC-010)-010121**
*Case of 4 each Gallon (4 each of 4.8 Liter) Cans **(ZC-010)-009412**
*5 Gallon (18.9 Liter) Pails **(ZC-010)-002085**
*55 Gallon (208 Liter) Drum **(ZC-010)-002086**
*Specialized forms of packaging available upon request

Gloves | Protective Eyewear | Proper Mask | Vacuum

D-5640NS/ZC-640
*Case of 12 of 16 fl oz (473 mL) Aerosols **(D-5640NS)-002070**
*Case of 4 each Gallon (4 each of 4.8 Liter) Cans **(ZC-640)-009430**
*5 Gallon (18.9 Liter) Pails **(ZC-640)-102155**
*55 Gallon (208 Liter) Drum **(ZC-640)-008181**
*Specialized forms of packaging available upon request

Zip-Chem® Aerosol Trigger Sprayer
***010040**

Sur-Prep® 3160
*Case of 12 of 16 fl oz (473 mL) Aerosols-**010938**
*Case of 4 each Gallon (4 each of 4.8 Liter) Cans-**008578**
*5 Gallon (18.9 Liter) Pails-**008579**
*55 Gallon (208 Liter) Drum-**008580**
*Case of 6 Canisters of Towelettes-**100026**
*Case of 100 Individual Towelettes-**011844**
*Specialized packaging forms for customers

Sur-Prep® 3167
*Case of 12 of 16 fl oz (473 mL) Aerosols-**103765**
*Case of 4 each Gallon (4 each of 4.8 Liter) Cans-**103762**
*5 Gallon (18.9 Liter) Pails-**103763**
*55 Gallon (208 Liter) Drum-**103764**
*Specialized forms of packaging available upon request

Masking Tape | Protective Clothing | Ventilation Equipment

Curing Devices | Proper Equipment For Applying **ZC-010**

Aliphatic Naphtha Based Wipes, Cloths, Rags, Towels, and other Proper Equivalent Wiping Devices | Lighting Equipment

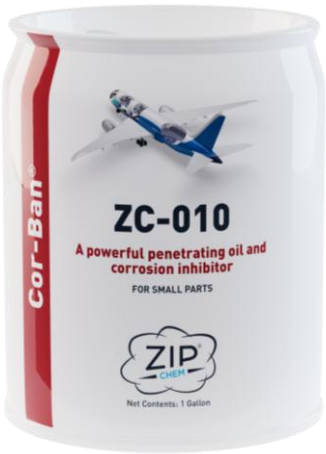
Spill containment vessels and other proper devices for addressing material spills and overruns

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D-5010NS/ZC-010 Product Pictures and Zip-Chem® Product Packaging Part Numbers (Continued From Page 3):

Formit® Wands (12 Assemblies Per Package)

- ***Formit®-18-Fan-006224**
- ***Formit®-18-180-006226**
- ***Formit®-18-360-006227**
- ***Formit®-18-STD-FOG-008352**
- ***Formit®-18-90-FOG-008353**
- ***Formit®-29-360-101321**
- ***Formit®-36-360-009131**
- ***Formit®-48-360** with metal sleeve-**009132**
- ***Formit®-48-360** without metal sleeve-**100424**
- ***Formit®-48-Fan-008460**
- ***Formit®** Sample Pack (3 each of **Formit®-18-Fan**, **Formit®-18-180**, **Formit®-18-360**, **Formit®-18-STD-FOG-100107**



← ***1 Gallon (3.8 Liter) Cans**



← ***16 Fluid Ounce (473 mL) Aerosol**

Sur-Prep® 3160 NSN: 6850-01-633-9843 (16 fl oz (473 mL) Aerosol); **D-5640NS NSN:** 8030-01-597-6958 (16 fl oz (473 mL) Aerosol)

Formit® NSN's: 4730-01-612-9914, NSN: 4730-01-661-8773 (**Formit®-18-Fan**); 6850-01-492-2942 (**Formit®-18-360**); 4730-01-632-0156 (**Formit®-18-STD-FOG**); 1560-01-658-8943 **(with metal sleeve)**, 4730-01-659-5461 **(without metal sleeve)** (**Formit®-48-360**); 4730-01-632-0157 (**Formit®-48-Fan**)

For application questions regarding **D-5010NS/ZC-010**, contact **Zip-Chem® Aviation Products** at **(1) 408 782 2335** or **zipchem@addevmaterials.com**.