



ROMCHIM PROTECT

**PROFESSIONAL DEICING AGENTS
& AIRCRAFT MAINTENANCE PRODUCTS**

FAA-SAE AMS

ADD-F16

ROMCHIM PROTECT
Siguranța căminului tău.

SODIUM FORMATE SOLID DEICER certified AMS 1431C

ADD F16 is a solid deicer produced by our company, based on sodium formiate formula, which can be use in severe winter conditions for runways and taxiways.

This product is a mixture of white irregular granules with size between 2-4 mm. The advantage of the irregular granulas is that ensure a better spreading on the ground comparing with the spherical granulas wich are moving sometimes out of the target surfaces due the round design. Also in the windy wheather these irregular granulas have a better grip on the concrete or tarmac surfaces.

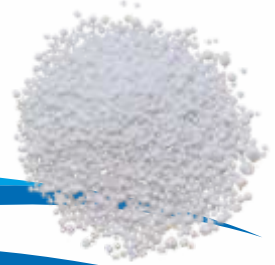
ADD F16 is a deicer from the last generation of deicers family, which are used succesfull in North America, Germany, Norway and other countries wich are using high quality deicers, by focusing on efficiency, biodegradability and with more benefits for airports budgets.

Benefits:

- Working fast and at very low temperature (minus 18°C;)
- Fast acting formulation
- Long lasting action (up to 72 hours)
- If necessary, can be used both with liquid deicers
(compatibility with any liquid deicer).
- Can be used by any spreading equipment existing on any airport fleet;
- Very economic - very low compsumption on sqm - 20 grams/ sqm;
- Eco friendly and pet friendly and won' t damage vegetation;
- No messy residue;
- Biodegradability up to 90%;
- Unflammable;
- Purity - up to >97%;
- No damages for surfaces (concrete or tarmac) and for any metal structure
- Produced in accordance with FAA regulations by using ADD F16 on commercial and military airports and fully certified AMS 1431C;
- Validity therm - 36 months. Easy storage and does not deteriorate under heat during summer time

Packed in 25 kg bags.

Composition: sodium formiate, aditivs, corrosion inhibitors



CONTACT:

Phone / FAX:

+4 0234 215 990

+4 0234 215 516

Postal adress:

DN2, com. Filipești nr. 340A
607185 Bacău - România

WEB:

contact@romchimprotect.ro
www.romchimprotect.ro



/romchimprotect

ADD-PROTECT & ADD-PROTECT FORTE

(higher density)

ROMCHIM PROTECT
Siguranța căminului tău.

FLUID DEICERS

certified AMS 1435C

FLUID DEICERS ADD-PROTECT and ADD-PROTECT FORTE are produced by our company conforming to SAE G12 AMS 1435C certification since 30.05.2014. Fluid deicers ADD PROTECT and ADD-PROTECT FORTE are recommended for runways and taxiways but also they are very good for highways and streets.

Benefits:

- Working at a very low temperature (minus 30° C) and starts working immediately on contact with snow and ice
 - Fully certified AMS 1435 C - (Aerospace Material Specification);
 - No damages to concrete or tarmac surfaces or any metal structure (no corrosion)
 - Extended life for infrastructure and ground support vehicles
 - If necessary, can be used both with solid De Icers
(compatibility with any solid deicer)
 - Eco friendly product
 - Leaves no messy residue
 - Can be used by any spraying equipment existing on any airport fleet
 - Validity therm: 36 months
 - Biodegradability up to >95%;
 - No damages to road paint used for runways or taxiways
 - Easy to storage
 - Delivery in IBC - 1000 litres or cistern
 - Higher breaking coefficient for aircrafts

Composition: potassium acetate, aditivs and corrosion inhibitors

Consumption: 25 grams / sqm



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 /romchimprotect

BD200

SEWAGE PIPELINE CLEANING AGENT T Cleaning Agent

Background

At present, any airline company is devoted to improving cabin service level, the environmental conditions of an aircraft toilet is an important component of service quality, but how to effectively remove the aircraft toilet odor is always a difficulty of the airline company.

Case: aircraft returns due to odor

The aircraft sewage pipeline blockage also makes all airline companies feel comparatively difficult: during running, the inner wall of an aircraft sewage pipeline can form dirt gradually, generally totaling above 6mm, which may completely block the pipeline if serious.



Solutions for Aircraft Toilet Odor and Pipeline Blockage

- A cleaning agent can be used to restrict the dirt accumulation in the sewage pipeline.

Please refer to AMM manual or an acidic cleaner is applied to the toilet, the acidic ingredients of this acidic cleaner can chemically react with the dirt to prevent the sewage pipeline from fouling and clogging, and the odor is controlled by reducing pollutants.

- It is strongly recommended that the sewage pipeline is cleaned deeply during C inspection on an aircraft.

Deep cleaning can be also made circularly to thoroughly remove any odor source;

As for an off-normal cleaning, the sewage pipeline is disassembled and soaked in the cleaning agent to remove the dirt.

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+4 0234 215 516
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DN2, com. Filipești nr. 340A
607185 Bacău - România

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BD200

ROMCHIM PROTECT
Siguranța căminului tău.

T-DETERGENT AND SUPPORTING EQUIPMENT

BD200 detergent is a thixotropic acid blue cleaning agent, which can replace the material (No. 08-CEB8) or that (NO.08AHB1) in the AMM manual to remove hard scale and other dirt in the vacuum sewage pipeline.

BD200 detergent, which is applied to Boeing and Airbus aircraft types, is widely used for regular maintenance, off normal cleaning and circle cleaning of aircraft, etc.

Type	Period, dosage and equipment of regular circle cleaning	Pipeline displacement and soaking position period	Recommended daily maintenance period	Detergent name
A330	18 months	Incidental cleaning during C inspection	7 days	BD200/200T
A320	24 months		7 days	BD200/200T
B747	24 months		7 days	BD200/200T
B777	777-200 24 months 777-300 37 months		7 days	BD200/200T
B737NG	None		15 days	BD200/200T
Remarks	➤ Recommended maintenance period: determined by actual use of each airline company; ➤ As for specific daily maintenance period, please refer to maintenance schemes of all airline companies and relatively adjust them according to the pipeline conditions.			

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www.romchimprotect.ro

 /romchimprotect

BD 1000

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Aircraft Surface Cleaner Two-in-One Aircraft Cleaning Brightener

Background

As for aircraft cleaning requirements, nowadays, the maintenance department of any airline company should not only focus on the degree of surface cleanliness, but also closely combine the cleaning of aircraft surface with many aspects such as flight safety, cost saving, operation management, etc.

For an airline company, a clean and beautiful aircraft can not only improve the external image of the airline company but also bright a sense of comfort to passengers to better raise its passenger satisfaction. In addition, the measure for duly cleaning aircraft and maintaining its surface cleanliness is an initiative of the airline company in saving costs and increasing benefits. The cleaning of aircraft surface can reduce the aircraft weight and flight resistance and elevating force resulted from air pollution, but these factors can affect the fuel consumption of aircraft. Therefore, the pneumatic surface of an aircraft should keep perfect and smooth as much as possible during its flight to reduce the flight resistance.

As relevant data shown, if 1% resistance is increased, every Boeing 757 aircraft can reduce its load capacity by 900kg, its yearly additional fuel consumption is about 75t and CO2 emission is increased by 236.24t; every Boeing 737 aircraft can reduce its load capacity by 600t, its yearly additional fuel consumption is about 45t and CO2 emission is increased by 141.74t. Accordingly, aircraft maintenance shall follow stricter airframe maintenance and cleaning standards to achieve the purpose of long-term fuel saving and emission reduction.

Therefore, aircraft surface is cleaned to remove these deposits, which can keep the aircraft beautiful, reduce its flight fuel consumption, even prevent any corrosion as a daily maintenance and play an important role in ensuring the normal flight of the aircraft and prolonging its structural service lifetime.

Presently, the cleaning of aircrafts in China is mainly subject to water-based detergent, the use of which is limited by the following conditions:

- 1) Water-based detergent is only used in the aeroshed and limited by application place;*
- 2) Water-based detergent requires a plenty of water and so it is applied in the aeroshed due to no outdoor water source;*
- 3) Outdoor cleaning is limited greatly by temperature, and it is not applied in the case of cold weather.*

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 /romchimprotect

BD 1000

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Aircraft Surface Cleaner Two-in-One Aircraft Cleaning Brightener

In order to resolve these problems, our company has researched and developed a BD1000 two-in-one aircraft cleaning brightener. This cleaning brightener is not limited by temperature, place and water source, etc, which resolves the existing water-based detergent problems.

Solutions for Aircraft Surface Cleaning and Brightening

- Water washing: an alkaline water-based detergent is used to wash the surface dirt of aircraft.

In accordance with the experience of airline company in keeping a perfect aircraft surface cleanliness, it is recommended to make a cleaning of an aircraft per 45 days, about 15 days in any seriously corrosive region; also, the above period is shorted or prolonged according to actual conditions, but no more than 60 days at most.

- Deep cleaning and brightening: regular use of an deep cleaning brightener. It is recommended to deeply clean the aircraft surface every quarter, or the aircraft is deeply cleaned and brightened if it has a longer stopover (e.g., during C inspection)



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BD 1000

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Aircraft Surface Cleaner Two-in-One Aircraft Cleaning Brightener

BD1000 Detergent and Usage

BD1000 detergent is an emusive cleaning and brightening fluid, which can be used to remove the aircraft surface dirt and brighten the aircraft surface.

BD1000 two-in-one aircraft cleaning brightener has its own outstanding advantages in comparison with similar products in other countries:

1. Low price, after-dilution use and economical dosage;
2. Timely supply;
3. Simple operation, the detergent after dilution is dipped and applied to the aircraft surface without water washing and then cleaned by a dry cloth. No large auxiliary tool is required;
4. It is applied to all types of aircrafts;
5. There is no influence on the blue marker paint and no fading is available



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BD900

Detergent for Parts and Aircraft Components Solvent-based Detergent

BD900 Detergent and Usage

The BD900 detergent for aircraft parts and components is a colorless transparent liquid, which is a solvent-based liquid detergent and can be used to remove the preservative oil of aircraft and also clean the carpet glue.

BD900 detergent for aircraft parts and components has its own outstanding advantages in comparison with similar products in other countries:

- 1) High cleaning efficiency;
- 2) Fast speed of volatilization;
- 3) Applied to all types of aircrafts.

BD900 detergent for aircraft parts and components is applied to all types of Boeing and Airbus aircrafts, and it is widely used to regularly clean preservative oil and carpet glue for aircrafts.

BD900 detergent is operated simply without large auxiliary tool, with specific usages as follows:

- 1) Aircraft positions such as tyre are protected;
- 2) The detergent is placed in a cleaning tank where removed parts and components are placed for cleaning;
- 3) Parts and components which fail to be disassembled can be directly brushed by detergent or sprayed by spraying gun;
- 4) It is dried by natural air or drier.



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+4 0234 215 516
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DN2, com. Filipești nr. 340A
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BD600

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Multi-purpose Safe Solvent

Solvent-based Detergent

Range of BD600 Application 1

Use before spraying paint to aircraft and bonding

- Activating agent residue remains on the aircraft surface to form epoxy resin and polyurethane paint.
- The cleaning effect on the spray gun is the optimal.
- The connectors, sealing parts and glued parts are cleaned during maintenance.

Range of BD600 Application 2

Preservative oil cleaning for aircrafts

- This product is used to spray preservative oil by spray gun.
- Important positions can be rinsed.

Range of BD600 Application 3

Side wallboard degumming

It is applied to the adhesive on the side wallboard, which is placed statically for 1~2min and then rinsed by a cloth.



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BD600

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Multi-purpose Safe Solvent

Solvent-based Detergent

BD600 is a multi-purpose safe detergent with strong dissolving capacity and low volatilization. It is used to remove aircraft preservative oil and side wallboard adhesive; clean aircraft paint and metal surface before bonding, as well as the grease and spray gun.

BD600 multi-purpose safe solvent has its own outstanding advantages in comparison with similar products in other countries:

- 1) Low volatilization, no halocarbon, low odor;
- 2) High safety, no teratogenic carcinogens;
- 3) No toluene and glycol ether;
- 4) No metal corrosion;
- 5) Simple application, namely spraying, brushing or rinsing;
- 6) Applied to all types of aircrafts.



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BD 100

GUM REMOVER



Advantages :

- High-level solvent;
- Slightly remove the gum sugar around the carpet, chair cover, floor and wallboard, etc;
- Easily remove the label glue;
- No influences on all materials of aircraft.

Compliance with:

- SAE AMS 1550 B
- CAAC Approval No.:
- HH0086-AAD

BD500

CHEMICAL SANITIZER



Advantages:

- With bactericidal and disinfection function, it is used to effectively kill any staphylococcus, hepatitis virus and gonorrhea virus.
- It can quickly remove any toilet odor and prevent any adverse odor from generation.
- It is used to long restrict any adverse odor.
- Its surface activating agent is biodegradable.

Compliance with:

- SAE AMS1476B
- CAAC Approval No.: HH0093-AAD

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/romchimprotect

DRJ-1 AND DRJ-2

Aircraft Surface Cleaning Daily Cleaning

Advantages:

- Good cleaning effect on both painting surface and non-painting surface;
- Easy cleaning without any scratch;
- Surface activating agent is biodegradable, and this product is environmentally friendly;
- No hydrogen brittleness is generated for all aircraft metals, and it is safe for non-metals including polyacrylic acid and polycarbonate plastics, without damage to the paint layer.



Compliance with:

- Boeing D6-17487 Rev.R
- SAE AMS 1526B
- AIMS 09-00-002
- CAAC Approval No.:
- DRJ-1 HH0115 -AAD DRJ-2 HH0116 -AAD

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BD501

Deodorizer



Advantages:

- With special deodorizing ingredients, this product can react with the odor in air to eradicate the odor;
- The deodorization effect is perfect without any irritation.

Compliance with:

- **SAE AMS 1478B**

CAAC Approval No.: HH0146-AAD

BD700

Cabin Detergent



Advantages:

- It is used to quickly chelate stain and its suspended matters.
- No acid, ammonia and free alkali.
- No corrosion is available for various surfaces (including metal and nonmetal surfaces).
- The surface activating agent is biodegradable and safe for the human body and environment.

Compliance with:

- **SAE AMS1550B**

CAAC Approval No.: HH0088-AAD

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Phone / FAX:

+4 0234 215 990

+4 0234 215 516

Postal address:

DN2, com. Filipești nr. 340A
607185 Bacău - România

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www.romchimprotect.ro



/romchimprotect

BD800

Electronic Plug Detergent

Advantages:

- Easy volatilization and low odor; No teratogen or carcinogen, toluene or glycol ether;
- With a strong capacity of dissolving mineral oil, it can effectively remove dirt such as fuel, hydraulic oil, lubricating oil, dust and so on, as well as welding flux pollutants such as rosin;
- Simple operation is beneficial to automatic cleaning;
- It has a good compatibility with metal and nonmetal materials, without any side effect on metal, plastics, rubber, lacquer coating and conductor insulating layer and dissolution phenomena;
- Flame retardant, non-toxicity, harmless for the human body.



Compliance with:

- MIL-C-81302D
- MIL-PRF-29608(AS)
- CAAC Approval No.: HH0117-AAD

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Phone / FAX:
+4 0234 215 990
+4 0234 215 516
Postal address:
DN2, com. Filipești nr. 340A
607185 Bacău - România

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contact@romchimprotect.ro
www.romchimprotect.ro

 /romchimprotect

BD 1100

Aircraft Carpet Detergent



Advantages:

- Shampoo-type carpet detergent;
- Fast dissolution of stains and good cleaning effect;
- It can prolong the carpet's service lifetime and make the carpet more bright-colored.

Compliance with:

- SAE AMS1630C
- CAAC Approval No.: HH0082-AAD

YD-601

Paint Remover



Advantages:

- An odorless and thixotropic paint remover;
- Effectively peel off epoxy resin, epoxy primer and polyurethane as well as similar coatings; □
- No methylene chloride, phenol, chromate, ammonia water or ammonia, friendly to the environment;
- Relieve air pollution and reduce the wastewater treatment cost.

Compliance with:

- BOEING D6-17487 REV P
- Ø CAAC Approval No.: HH0085-AAD

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 /romchimprotect