



# **HAVACILIK KİMYASALLARI**

## **AVIATION CHEMICALS**



## CLEANING LIQUID FOR AVIATION VEHICLES

MIL-C-85570 TYPE II

MIL-C-87936 TYPE II

SAE AMS 1526

BOEING D6-17487 REV R

DOUGLAS AIRCRAFT CO. CSD NO.1

AIRBUS AIMS 09-00-002 ISSUE 2

Water-based cleaning detergent. Cleans easily Petroleum derivative oils, smut and soot

Not creating any color loss since not effecting original epoxy based aircraft paints. Biodegradeable and environment-friendly product. Produced according to

MIL-C-85570 (TYPE II) and MIL-C-87936 (TYPE II) standards to wash/clean aircraft and helicopters. Can be used in the high pressure and steamy machines. Rust preventive inhibitors are included.

### Usage Areas :

Can be used outer surfaces of aircraft and helicopter bodies safely.

Additionally, can be used safely to clean any surface where water contact is not problem. However, aircraft's cockpit and other glases should be screened.

Expected cleaning is achieved at areas where exhaust dirt is main problem(eg.hooks) with the strong formula.

### Usage ratio :

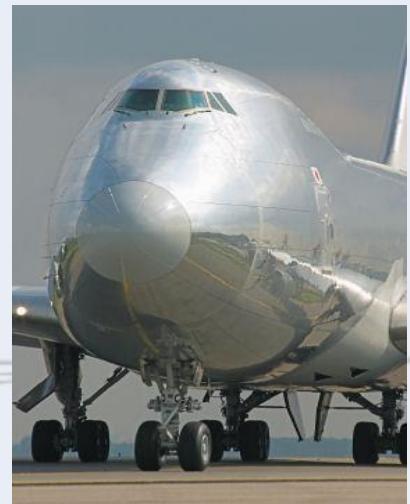
Aircraft and helicopter

Outer body cleaning

As a general cleaner

1 : 5 - 1 : 20

1 : 10 - 1 : 50



Ratios can be diluted with hot or cold water. Application is executed via brush from down to up after cleaning the heavy dirt to the bodies of aircraft and helicopter.



### Preventive actions:

- Read instruction manual before usage.
- Keep away from the kids.
- Do not use for food cleaning.
- Wash with water awfully in case of eye(s) contact.



## SS EX-OIL

### WATER BASED INDUSTRIAL HEAVY DIRT & OIL RESOLVENT

SS EX-OIL is a water-based detergent solvent. Cleans “animal, vegetable and petroleum derivative oils” easily without rinse with consanrated & powerful formula.

Can be used for general purpose cleaning via diluting with sweet or salty water.

It is not flammable and flashing.

Biodegradeable and environment-friendly product.

Can be used in the high pressure and steamy machines. Multipurpose product can be applied in many areas to clean dirt, oil and spot.

Cleans without rinsing. Cleaning can be via brush, splashing or spraying. Can be diluted via sweet or salty water; having advantange at storage.

Has economic benefits since can be diluted with high ratio of water.

Rust preventive inhibitors are included.

Not flammable.



#### Usage ratios:

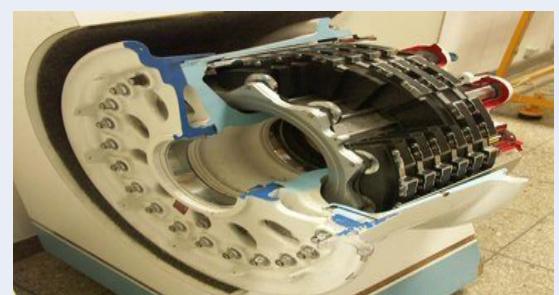
According to dirt level of the surfaces;

Heavy grease and oil resolvent	1 : 1
Normal grease, oil and spots	1 : 3
Heavy cleaning at painted surfaces	1 : 20
Painted surface before repainting	1 : 5 – 1 : 8
Spot removal at painted surfaces	1 : 5 – 1 : 12
Oil removal before painting (cold)	1 : 8 – 1 : 15
Filters, HVAC channels and chimney	1 : 5 – 1 : 20
Heavy construction equipment & car cleaning	1 : 12 – 1 : 25
Oil removal before painting ( hot 60 C)	1 : 30 – 1 :
50	Apply via brush, splash or spreying to the cleaning area.



#### Preventive actions:

- Read instruction manual before usage.
- Keep away from the kids.
- Do not use for hand, face, body and food cleaning.
- Wash with water if touched your skin.
- Wash with water awfully and apply your doctor in case of eye(s) contact.
- Use preventive tools (eg.gloves, glass/mask,) during application.



## SS EX OIL A1380

### CIC, WAX AND GREASE REMOVER THIXOTROPIC WAX AND GREASE REMOVER

SS EX OIL A1380 is VOC free solvent that removes CIC s, TPC s, oils and greases from aircraft surfaces.

SS EX OIL A1380 is an emulsifiable and thixotropic solvent. The controlled viscosity gives good adherence on surfaces while permitting increased contact time with the soils or the coatings to be removed. The product may be easily rinsed off with pressurized water. It is not subject to classification under the European legislation on VOCs (Directive 1999/13/CE).

SS EX OIL A1380 may be used for all aircraft surfaces- landing gear, undercarriage bays, wheels, and holds. Inert on ferrous metals and light alloys, painted or non painted. No embrittlement on high tensile steel.

SS EX OIL A1380 removes waxy and oily temporary protective coatings, tenacious oils and hardened greases on landing gear, undercarriage bays, wheels, and holds.

#### Usage:

Cleaning and degreasing of tenacious soils on aircraft structures or components, perfectly fitted for removing CIC, oil or wax-like temporary protective coatings

#### Directions for use:

SS EX OIL A1380 can be applied by dipping, brushing, air mix or airless spraying.

Spray the product onto the surface to give a 30 to 120  $\mu$  film - dwell time: between 20 and 60 minutes depending on the CIC thickness to be removed and the temperature.

If necessary, renew the application.

Finally rinse with hot water by means of a high pressure machine (50-120 bars).



## EX APC DIS

### DISINFECTION CLEANER FOR AVIATION VEHICLES

SAE AMS 1526

SAE AMS 1550

BOEING D6-

17487

Perfect cleaning and hygen is achived at the critical areas with professional cleaning compound.

At the aviation industry, it is an effective solution for disinfection requirement for the virus and bacterias at the outer body and inside of the aircraft.

Cleans contaminated materials and ensures high protection against the risk of contagious infection where community / population is high.

#### Usage :

Can be used safely on all surfaces where water contact is not problem.

Effective against gram(-) and gram(+) bacterias like "Escherichia coli, Staphylococcus epidermidis, Pseudomonas aeruginosa, Aspergillus flavus" and fungus and fermentation. (Very effective against microbakterias like "Micobakterium tuberculozi" etc.)

#### Dilution :

Disinfection for outer bodies of Aircraft and helicopter 1 : 30

Disinfection for inside of Aircraft and helicopter 1 : 50



#### Preventive actions:

- Read instruction manual before usage.
- Keep away from the kids.
- Do not use for hand, face, body and food cleaning.
- Wash with water if touched your skin.
- Wash with water awfully and apply your doctor in case of eye(s) contact.
- Use preventive tools (eg.gloves, glass/mask,) during application.



## ENG CLEAN

### P-D-680 TYPE II DRY CLEANING AND DEGREASING SOLVENT

#### MIL PRF 680-C (Military Symbol SD-2)

Not contains aromatic solvents, not abrasive and nor leaves residual.

More safe compared to Gasoline, Gasoil and Tricloretilen.

Not easy flammable and works speedy during cleaning and less evaporate.

Used especially at aviation industry, tire workshops and ball bearing cleaning processes .

Effects speedy compared to other cleaners.

Can be used to clean any part, which should be lubricated.



#### Technical Data :

Specific gravity : 0,88

Flash point : over 68°C

Tag Closed Cup. Boiling range: 188 - 200°C.

Shelf Life : 3 Years Minimum

#### Safety :

Flammable, NON-Abrasive. Our slogan says it all. products are formulated as Biodegradable, made safe for cleaning.



#### Preventive actions:

- Read instruction manual before use.
- Keep away from the kids.
- Do not use for food cleaning.
- Wash with water fully in case of eye(s) contact.



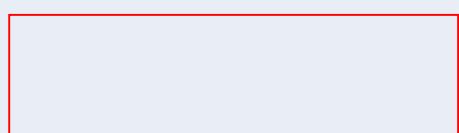
## ACETONE (DIMETIL KETON AND 2-PROPANON

### ASTM D 329 ACS 10TH ADDITION REAGENT GRADE

Strong and fast acting Acetone is a highly effective thinner and remover for polyester and epoxy resins, inks, adhesives, joint sealings and other specified coatings. It thinens and cleans the glass fiber resins, which is an effective cleaning solvent for glass fiber projects. Acetone will also clean glass fiber resins and foreign materials. The acetone evaporates quickly, does not leave residue, and cleans dried latex paint, hardened lacquer and label adhesives. It is a clear, colorless, low boiling point, flammable, volatile liquid characterized by rapid evaporation and a slightly aromatic odor. Most organic solvents can easily mix and mix with water everywhere.

#### Preventive actions:

- Read instruction manual before usage.
- Keep away from the kids.
- Do not use for food cleaning.
- Wash with water awfully in case of eye(s) contact.



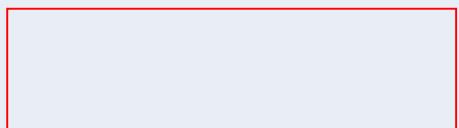
## METHYL ETHYL KETONE (MEK)

**ASTM D 740**  
**TYPE I REGULAR GRADE (2-BUTANONE) TYPE II URETHANE**  
**GRADE**  
**USP24 ACS 9 TH ADDITION**

Polyester and epoxy resins are a thinner for specified coatings, including inks, adhesives. It is recommended to use a slower evaporation rate from acetone when requested. It is an important, low-cost solution similar to acetone. It is used as a cleaning material to prepare a surface for painting and as a cleaner for certain surfaces. It cleans the wax and grease from the surface and is used in engine parts around ignition and carburement systems for cleaning and removing carbon.

### Preventive actions:

- Read instruction manual before usage.
- Keep away from the kids.
- Do not use for food cleaning.
- Wash with water awfully in case of eye(s) contact.



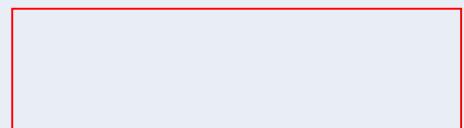
## ISOPROPYL ALCOHOL (IPA)

ASTM D 770  
TT-I-735A GRADE A  
DIN 53245  
ACS 8TH ADDITION

Isopropyl alcohol is a general purpose cleaning and degreasing solvent for use in many applications. The rapid evaporation rate of this product helps to clean grease, oil, dust and smudge. It is usually used for wiping, rinsing or spray applications. Perfect for part cleaning and paint preparation.

### Preventive actions:

- Read instruction manual before usage.
- Keep away from the kids.
- Do not use for food cleaning.
- Wash with water awfully in case of eye(s) contact.



## GUM REMOVER

### GUM STAIN REMOVER FOR CARPET SURFACE

A high-performance essential oil, adhesives, tar, gum, oil-based paint and carpet and fabric stains difficult to resolve on solving many general-purpose solvent-based cleaning product.

#### Usage Areas :

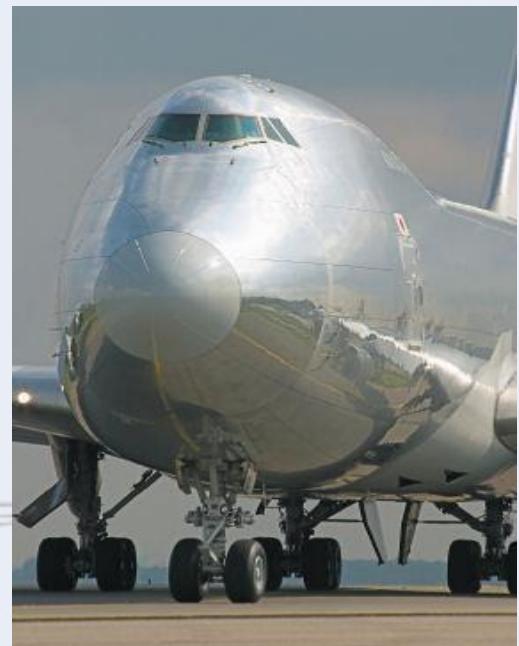
All kind metals, plastic, fabric, carpet and decks of glue, mastic and out of tough spots tape Easily cleans the surface, without damage. Applied on the surface does not leave now. Prevents sticking around, disturbing the structure and distribution of hardened spots.

#### Usage ratio :

Used as Direct.

Textiles is an invisible part of the pre-trial. Sprayed onto the stain, are expected for a while. If necessary, lightly brushed with a brush.

With a clean cloth will be deleted. If necessary, re-applied.



# SS WC SHINE

## INDUSTRIAL WC BATH CLEANER

Lavatory and toilet cleaning concentrate.

Biodegradable, environmentally friendly

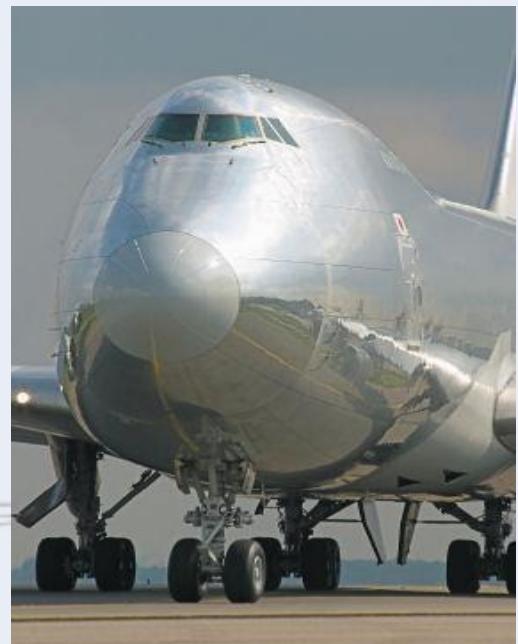
### Usage Areas :

- . Germicidal solution effective in removing stains, descaling toiletbowls and waste line system.
- . Ideal for in-place localized cleaning. Applicable on stainless steel, aluminium and Teflon coated toilet bowls,
- . Environment friendly, Biodegradable, fully miscible in water.
- . Worker safe does not emit harmful toxic fumes,
- . Thixotropic, Non-flammable, Frost resistant..

### Usage ratio :

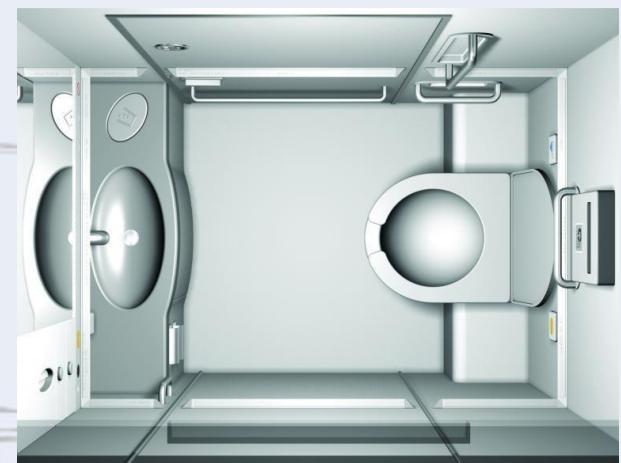
Flush the toilet & squirt under the rim and all around the bowl Let soak for a few minutes

Lightly scrub & flush again



### Preventive actions:

- Corrosive, irritant-free.
- Falling or hands, face, body in constant contact, wash with water.
- Avoid contact with eyes, do not ingest. If swallowed, drink water and contact your physician.



## SS 208 P FG VINEGAR WHITE TECHNICAL

### ACETIC ACID FOOD GRADE. GLACIAL ACETIC ACID, VINEGAR CONCENTRATE, ETHANOIC ACID. DISINFECTANT WITH DEODORANT FOR REMOVAL OF SCALE DEPOSITS IN AIRCRAFT TOILET LINES

Vinegar has an acidity of 2.5 to 4.0 on the pH scale . The acidity of vinegar helps to dissolve soil particles by making them charged. These newly charged soil particles become attracted to the positive and negative charges in water. The soil is pulled into the water by strong intermolecular electrostatic forces and thus can be easily removed . Vinegar is extremely helpful in places with shower head corrosion, toilet bowl stains, soap scum build-up, and various other mineral surface deposits. Vinegar can also be used to clean up the dark green and black inorganic coating that develops on copper and brass metals, which are often used for cooking utensils and jewelry .

#### Usage Areas :

Vinegar White Technical is an acidic industrial cleaner. Vinegar has been used for removal of scale deposits in Aircraft toilet lines. A mixture of Vinegar and crushed ice is used to flush through the lines as required by the Airline maintenance procedures.

Vinegar is also a natural alternative product used as a cleaner deodoriser throughout the home.

Vinegar may be used on laundry, carpets, floors, bathrooms, kitchen areas, grout and cleaning tools.

SORF Chemicals here by certifies that the above referenced material conforms to all requirements under ; Boeing D6-7127 revision P specifications and all standard quality control checks performed during manufacture and prior to delivery.



#### Preventive actions:

- Read instruction manual before usage.
- Keep away from the kids.
- Do not use for food cleaning.
- Wash with water awfully in case of eye(s) contact.



## SS PR SO 9

### AMS 1550 AIRCRAFT OVEN CLEANER

It contains many special characteristics thanks to extremely powerful, effective and safe oven cleaner. Strong surfactants burned through, even in intensive oil and cold surfaces get you the most effective solution.

#### Usage Areas :

Because of that Thixotropic (The liquid product packaging, oily surface sprayed on gelation) provides more cleaning in a very small amount of usage will not wash away on vertical surfaces, surface clinging to the cleaning will be performed more economically and in a short time.

#### Usage ratio :

- . Spray the inside of the oven
- . Wipe again with a cloth, wait 5-10 minutes.



#### Preventive actions:

- Contains Sodium Hydroxide. Extremely flammable. Causes severe burns. Irritating to respiratory system.
- Falling or hands, face, body in constant contact, wash with water.
- Avoid contact with eyes, do not ingest. If swallowed, drink water and contact your physician.



## ENDURO CREAM

### CREAM PASTE HAND CLEANER

Of employees in the maintenance department technicians degreaser soap used to clean heavy grease and dirt in their hands. Heavy dirt and grease lanolin added concentrated liquid soap does not crack in winter thanks to lanolin in hand remover soap concentrate content

Pumice ingredient cleans and protects gently and thoroughly Special Dermatin skin protection ingredient regenerates the skin while preventing irritation

Environmentally friendly Free

of alkali and silicone oil

Pleasant smell

#### Usage Areas :

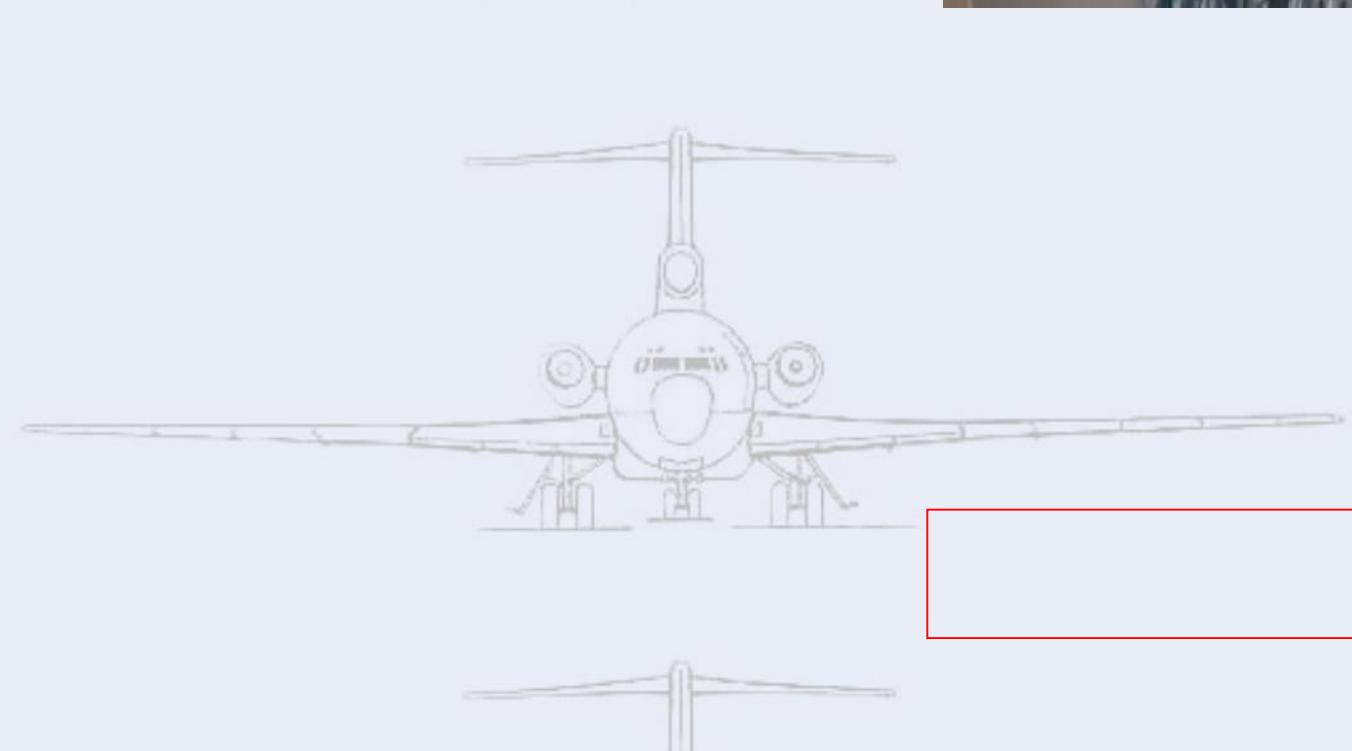
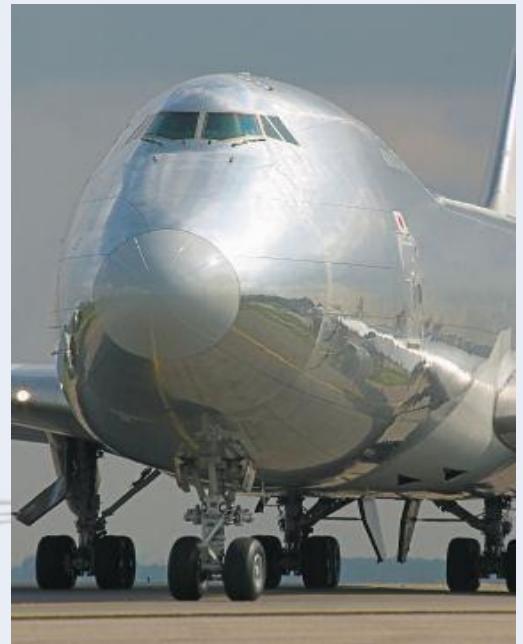
Oil, grease, fat and more – it's easy to get your hands dirty when you work.

#### Usage ratio :

From a soap dispenser, a quantity taken handwashing with soap or two printing pastes. Rubbing hands beautifully. Rinse with plenty of water.

#### Preventive actions:

- . There is no risk to human health
- . Biodegradable part in nature (84 active) are produced from raw materials.



## AMS 1435

### RUNWAY DE ICING ANTI ICING FLUID

#### RUNWAY DE ICING AND ANTI ICING FLUID

It is a chemical solution that prevents the snow from getting on the road surface and prevents freezing and icing.  
It is snowing and applied before the tip.

Anti-freeze feature prevents icing.

It remains on the road surface in a thin layer that prevents the snow from catching. Even in heavy traffic, you must stay on the road to absorb the wetness Environment friend, fertilizer for plants.

Long life, easy to apply in a short time, both labor and time savings

Since it does not contain abrasive material, it is important not to damage the asphalt, concrete and metal hitches. Effective even at very low temperatures. (Up to -60 ° C).

#### PREVENTIVE ACTIONS

Read instruction manual before usage.

Keep away from the kids.

Do not use for food cleaning.

Wash with water awfully in case of eye(s) contact.



## DISTILLED WATER TYPE II

ASTM D 1193

### Usage Areas :

This deionized water conforms to the following specifications: This water is consider Type II water. Ultraviolet (UV) sterilized. Resistivity is > 1 mega ohms.

Conductivity is < 1 uS/cm. Total Organic Carbon (TOC) < 50 ppb.

Sodium < 5 ppb. Chloride < 5 ppb. Silica < 3 ppb.

The Shelf Life is 36 months (Dependent on storage conditions.)

Intended for industrial applications. This product is not intended for food, beverage, medical, or human consumption applications.

### Protective Measures:

Read instruction manual before usage.

- Keep away from the kids.
- Do not use for food cleaning.
- Wash with water awfully in case of eyes contact.
- Use goggles, gloves and other protective clothing sufficient to avoid contact.

### Storage:

Tightly closed original container in a cool, dry place, stored.

Put more than two consecutive barrels.

## TOLUENE (TOLUOL) TECHNICAL GRADE

A-A-59107

ASTM D

841 TT-T-

548

FLASH POINT : 40 F DEG.

### Usage Areas :

TOLUENE is a liquid solvent used in It can be used as a solvent, a cleaner or a degreaser and is best-known for being highly evaporative, making cleanup a breeze. Toluene evaporates smoothly and evenly, making it a good solvent and a popular choice amongst painters. It's a common component in paint thinners and helps professional painters achieve the perfect finish. It can also be used as a cleaner or degreaser, cutting through dirt and grime with ease without leaving behind any residue.

### Usage:

Positive results can be achieved via splashing and spraying methods. **Note:**

GLOVES AND MASK SHOULD BE USED DURING CLEANING PROCESS.

ENVIRONMENT SHOULD BE AERATED CONTINUOUSLY DURING CLEANING PROCESS IF WORKING AREA IS CLOSED.

# 85704 TYPE I

## MIL-PRF-85704 C, TYPE I CLEANING COMPOUND, TURBINE ENGINE GAS PATH

### Usage Areas :

To keep your turbine engine running smoothly, use Cleaner regularly. This affordable product is designed to reduce sludge and buildup that will harm your engine and reduce performance. The EX 85704TYPE I compressor wash is a great method of preventative maintenance for your aircraft and other turbine engine machinery, is a concentrated liquid cleaner which is effective in the removal of oil, salt and solid deposits from compressor blades, guide vanes and rotors of in-service jet engines.

### Usage:

Concentration: Mix 1 part EX 85704 TYPE I with 4 parts distilled or demineralized water.

### Note:

GLOVES AND MASK SHOULD BE USED DURING CLEANING PROCESS.  
ENVIRONMENT SHOULD BE AERATED CONTINUOUSLY DURING CLEANING PROCES  
IF WORKING AREA IS CLOSED.

### Protective Measures;

- Read instruction manual before usage.
- Keep away from the kids.
- Do not use for food cleaning.
- Wash with water awfully in case of eyes contact.
- Use goggles, gloves and other protective clothing sufficient to avoid contact.

Storage: Tightly closed original container in a cool, dry place, stored. Put more than two consecutive barrels.

Packaging: 30-210 lt. polyethylene container.

# 85704 TYPE II

## MIL-PRF-85704 C, TYPE II CLEANING COMPOUND, TURBINE ENGINE GAS PATH

### Usage Areas :

To keep your turbine engine running smoothly, use Cleaner regularly. This affordable product is designed to reduce sludge and buildup that will harm your engine and reduce performance. The 85704TYPE II compressor wash is a great method of preventative maintenance for your aircraft and other turbine engine machinery, is a concentrated liquid cleaner which is effective in the removal of oil, salt and solid deposits from compressor blades, guide vanes and rotors of in-service jet engines.

### Usage:

Concentration: Mix 1 part 85704 TYPE II with 4 parts distilled or demineralized water.

### Note:

GLOVES AND MASK SHOULD BE USED DURING CLEANING PROCESS.  
ENVIRONMENT SHOULD BE AERATED CONTINUOUSLY DURING CLEANING PROCES  
IF WORKING AREA IS CLOSED.

### Protective Measures;

- Read instruction manual before usage.
- Keep away from the kids.
- Do not use for food cleaning.
- Wash with water awfully in case of eyes contact.
- Use goggles, gloves and other protective clothing sufficient to avoid contact. **Storage:**

Tightly closed original container in a cool, dry place, stored. Put more than two consecutive barrels.

**Packaging:** 30-210 lt. polyethylene container.

# APC 1534

## GENERAL PURPOSE CLEANER AND WINDOW CLEANER

### APPLICATION

**APC 1534** is a mildly alkaline product formulated specifically to safely clean aircraft windows. A blend of surfactants and isopropanol, it quickly and easily removes oily residues, bug spatter, fingerprints, and dirt from glass, plexiglass, and other surfaces. **APC 1534** is dust resistant and does not leave a film which can attract dirt. It is wax-free, non-corrosive, will not craze glass or plexiglass, and will safely clean other surfaces including chrome, aluminum, and plastics. Windows cleaned with **APC 1534** stay cleaner longer, reducing maintenance costs and cleaning time.

Water based slight Alkali  
pH Non-Toxic  
Biodegradable Non-Flammable  
Safe on Aluminum, Magnesium and all structural metal.  
Safe on all quality paints, primers and acrylic plastics.



### TYPICAL CHEMICAL CHARACTERISTICS

Appearance	Clear Blue Liquid
Odor...	Slight Alcohol
Flash Point	85 °C
pH	9.20

### APPLICATION GUIDENCE

Using a sprayer or atomizer, apply **APC 1534** full strength on the window or surface. Wipe dry with a clean, dry towel.

### STORAGE

Dry indoor storage at temperatures below 25°C is recommended. All containers should be tightly closed when not in use.

### SHELF LIFE

The shelf life is 3 years.

### CONFORMANCES

AMS 1534A  
AMS 1535A  
Boeing D6-17487  
ARP 1755B  
Douglas CSD No.1

