

SAFE CARE®

Cleaners, Solvents & Specialty Products



Aviation & Aerospace Industry

GEMTEK® Products develops and manufactures innovative plant-based chemistries for environmental solutions in the aviation & aerospace industry.

Aircraft maintenance is more than just appearances, it's about improving performance. Eliminating drag caused by built up grime, exhaust soot, and petroleum lubricants improves airflow which adds up to real savings. **SAFE CARE®** products provide exceptional cleaning results without damaging flight surface areas and components.

SAFE CARE® products are:

- Non-toxic
- Non-reactive
- Non-hazardous
- Non-flammable
- Non-carcinogenic
- Readily biodegradable
- Derived from renewable resources
- Safe to use, store and dispose of

Applications:

- Exterior Surfaces
- Landing Gear
- Engine or Engine Components
- Aircraft Under Bellies
- Hydraulic Lines
- Manufacturing
- Facility Maintenance



Aviation & Aerospace Industry

Unlike most traditional products used in the aviation industry, **SAFE CARE®** plant-based cleaners and solvents are:

- Safe for non-ferrous metal, painted / polished surfaces
- Safe for rubber hoses, elastomeric seals and gaskets
- Non-corrosive, non-flammable and anti-oxidant by nature

PRODUCTS:

SAFE CARE® Cleaners, Solvents & Specialty products for the aviation and aerospace industry:

- SC-Aircraft & Metal Cleaner Concentrate
- SC-EZ-Solv Safety Solvent
- SC-Aircraft Exterior Wash HD
- SC-MaxiSolv Safety Solvent
- SC-Safe-T-Solv Concrete Cleaner



Routinely used at 5-10% concentration for most soil removal. **SC-Aircraft & Metal Cleaner** will not cause a standing emulsion, and will enhance oil and water filtration systems.

EXTERIOR SURFACES:

SC-Aircraft & Metal Cleaner is formulated for non-ferrous metal to remove grime, exhaust soot and petroleum lubricants without damaging the surface. **SC-Aircraft & Metal Cleaner** has several approvals and certifications including:

- US Air Force MIL-PRF-87937D, Type IV
- US Navy MIL-PRF-85570C, Type II
- Airbus AIMS09-00-002
- BOEING D6-17487, Rev. N



Use **SC-Aircraft & Metal Cleaner** for wet wash removal of fuel, carbon soot, hydraulic fluid, brake fluid, tire soot, galley & toilet waste, ambient environmental aerosols, insects and bird waste.



SC-Aircraft & Metal Cleaner is certified as a non-VOC solvent

LANDING GEAR:

SC-Aircraft Exterior Wash HD is a surfactant blended with a non-evaporative solvent to create a temporary emulsion for removing tire soot, brake fluid, hydraulic fluid, asphalt and runway soils without causing embrittlement. **SC-Aircraft Exterior Wash HD** will not damage hydraulic systems, bearings or seals, and is safe for painted surfaces.



Before



After

ENGINE OR ENGINE COMPONENTS:

SC-Aircraft & Metal Cleaner Concentrate is a heavy-duty aqueous cleaning compound for aircraft engine and component degreasing operations. Free of petroleum distillates, **SC-Aircraft & Metal Cleaner** can be used for hand cleaning as well as in hot immersion tanks and spray cabinets. As a non-ionic surfactant system, it has been specifically developed for superior wetting for non-ferrous metal cleaning.



AIRCRAFT UNDER BELLIES:

SC-Aircraft Exterior Wash HD, is a non-ionic surfactant enhanced with a non-evaporative solvent for really tough "belly" soils including carbon soot, exhaust, lubricants and hydraulic fluids. **SC-Aircraft Exterior Wash HD** does not contain free caustic, is non-staining to aluminum, and will not cause hydrogen embrittlement.



FACILITY MAINTENANCE:

Because **SAFE CARE®** products are readily biodegradable, non-toxic, non-hazardous and non-reactive they are safe to use and store throughout manufacturing and maintenance facilities.



SC-EZ-Solv: Boeing BAC 5750 Rev. L for cleaning metal (not appropriate for acrylic)

MANUFACTURING:

For manufacturing non-ferrous metal components used in aviation, **SC-Aircraft & Metal Cleaner** and **SC-MaxiSolv Safety Solvent** may be used in the fabrication and / or cleaning process. **SC-MaxiSolv** was evaluated for oxygen compatibility and meets the following ASTM standards:

- Liquid Oxygen Mechanical Impact Sensitivity ASTM D2512³
- Autogenous Ignition Temperature ASTM G72



SAFE CARE® Products are listed with the USDA BioPreferred Program

GEMTEK®

P r o d u c t s

GEMTEK® Products is a manufacturer of non-toxic, environmentally-safe cleaners, degreasers, solvents, lubricants and specialty products that are derived from renewable, biobased resources for a broad range of industrial applications. **GEMTEK®** products meet or exceed the "green" attributes of the USDA BioPreferred Program, and the USEPA Design for the Environment (DfE). Several **SAFE CARE®** products are pre-registered with REACH for distribution in the European Union.

For more information:

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GEMTEK® invites you to join our mission, *Safely Cleaning Planet Earth.*
Together, we can make a difference

