

SAFE CARE®

Cleaners, Solvents & Specialty Products



Military: Aircraft, Vessel, Fleet

GEMTEK® Products develops and manufactures innovative biobased chemistries for military transportation maintenance...high performance, non-toxic, non-hazardous solutions that are safe for our military personnel. Biobased products provide effective alternatives in a variety of maintenance applications throughout the military.

Whether the task is washing the exterior of a ground-attack aircraft or degreasing the engine of a utility vehicle, **GEMTEK®** has the industrial strength cleaner, degreaser or solvent for the job. **SAFE CARE®** products assure operational savings by improving life-cycle maintenance costs, reducing chemical inventory with multi-use products, and reducing hazardous-waste disposal costs without sacrificing quality. Since 1992, **GEMTEK®** Products has dedicated its resources to developing products that meet or exceed the requirements of the USDA BioPreferred® program, the USEPA Design for the Environment (DfE) and the Executive Orders for "Greening the Government". The **SAFE CARE®** product line offers cleaning solutions that provide a positive reflection of the United States Military...protecting our military personnel and the environment.

SAFE CARE® products are:

- Non-Toxic
- Non-Reactive
- Non-Hazardous
- Readily biodegradable
- Derived from renewable resources
- Safe to use, store and dispose of

SAFE CARE® applications include:

- Exterior Wash
- Interior Hard Surface Cleaning
- Parts Washing - Solvent or Aqueous
- Engine Degreasing
- Heavy Hydrocarbon Soil Cleaning
- Weapon Cleaning



Product Applications

Complying with federal and state regulations is no longer an issue when using **SAFE CARE®** products in aviation, vessel, or fleet maintenance. Converting from traditional detergents that create waste water problems can be easily solved by switching to **SAFE CARE®** cleaners and solvents that are readily biodegradable and made from renewable, plant-based ingredients. **SAFE CARE®** cleaners are based upon non-ionic surfactants that utilize micelle cleaning technology that effectively lift soil from the surface without damaging the finish. Petroleum hydrocarbons including fuel, soot, hydraulic fluids, grease and oil can be easily removed with a **SAFE CARE®** solution. Whether your operating procedure is a mop/bucket, pressure washer or a drive thru wash system, **SAFE CARE®** cleaners will improve operating and life-cycle maintenance cost.

SAFE CARE® products can be used for virtually any exterior or interior surface associated with transportation maintenance including:

- Vessel: Carriers, Cruisers, Submarines, and Amphibious Craft
- Aviation: Fighter/Attack, Bombers, Transport, Refueling Tanker
- Fleet: Trucks, Tanks, Personnel Carriers, Utility Vehicles



PRODUCTS:

- SC-1000® Aqueous Cleaner Concentrate: NSN 6850-01-474-1273 (5-gal.), 6850-01-474-1311 (55-gal.)
- SC-Aircraft & Metal Cleaner Concentrate: NSN 6850-01-433-0873 (5-gal.), 6850-01-429-2371 (55-gal.)
- SC-Aircraft Exterior Wash HD
- SC-EZ-Solv Safety Solvent
- SC-SuperSolv Safety Solvent

EXTERIOR WASHING:

Every branch of the military utilizes wash systems for their fleet maintenance which typically include a recycling system. With nano-technology, **SAFE CARE®** cleaners improve the recycling system - the water and cleaning solution can be reused while the petroleum hydrocarbon soil is separated and removed, thus reducing disposal cost and improving water-saving systems.



Although **SAFE CARE®** cleaners are naturally low-foaming, which is preferable in oil/water separation, a foaming agent may be added to help the cleaning solution adhere to the vehicle for improved dwell time.

Vessel General Permit for Discharges Incidental to the Normal Operation of Vessels (VGP)

Authorization to Discharge Under the National Pollutant Discharge Elimination System Effective December 2013



SAFE CARE® cleaners are USEPA Vessel General Permit compliant as they are non-toxic to aquatic life and do not persist in the environment.



AVIATION CLEANING

Aircraft cleaning for the military is not just about appearances, it's about performance and safety. **SC-Aircraft & Metal Cleaner Concentrate** has been extensively tested to meet several military specifications including MIL Specs, Boeing and Airbus. Anti-oxidant by nature, **SAFE CARE®** products do not contain petroleum fractions, caustics, phosphates, metasilicates, silicones, ammoniates, phenolics or any known harmful material that might embrittle or degrade elastomeric materials including gaskets, seals, tubing and hoses. **SC-Aircraft & Metal Cleaner** is formulated specifically for non-ferrous metal and is non-corrosive, non-flammable and non-hazardous.



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.

HEAVY HYDROCARBON SOIL CLEANING

Exterior maintenance is made more difficult when removing asphaltene-like soil from areas such as wheel-wells, fuel exhaust, and landing gear. **SAFE CARE®** safety solvents can remove most organic and inorganic soils without damaging the surface finish. Built-up hydrocarbon soil on the wheel-well was spray applied, agitated with a nylon brush and wiped clean with **SC-Aircraft Exterior Wash HD**.



WEAPON CLEANING

Whether it is a M-14, AK-47 or a pistol, use a 10% solution of **SC-1000® Aqueous Cleaner Concentrate** is needed to remove dirt, firing residue and lubricant.



PARTS WASHING - AQUEOUS & SOLVENT SOLUTIONS

Not only do we want to protect service men and women on the battlefield, but also in their workplace. **SAFE CARE®** cleaners and solvents used for parts washing are safe to use, store and dispose of. Our aqueous parts washing solutions is safe for all engine components including gears, solenoids, pressure plates and bands. **SAFE CARE®** cleaners quickly remove hydrocarbon soil including grease, oil, lubricants and road grime. Solutions can be customized and enhanced with one of our water-miscible solvents to tackle the most difficult problems. **SAFE CARE®** safety solvents may be used in manual or automatic parts washing equipment.



Transmission Parts –
before & after cleaning with an aqueous solution



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.

