

SAFE CARE®

Industrial Cleaners, Solvents & Specialty Products



SAFE CARE® AIRCRAFT™ & Metal Cleaner Concentrate

DESCRIPTION: *SC-AIRCRAFT & Metal Cleaner Concentrate* is an advanced non-ionic surfactant system especially formulated for use on non-ferrous, soft metal surfaces such as aluminum. *SC-AIRCRAFT & Metal Cleaner* causes long chain hydrocarbon soils such as JA or JP fuels, gear lubricants, cutting fluids and other soils, to release from the surface so that they can be rinsed away with water. *SC-AIRCRAFT & Metal Cleaner* is water-miscible, and has dielectric and anti-oxidant properties.

CERTIFICATIONS: ?

- US Air Force MIL-PRF-87937D Type IV
- US Navy MIL-PRF-85570C, Type II
- BOEING D6-17487, Revision N
- Douglas CSD-1, MIL-C-87936A
- New York City Transit S-70-01-96, Revision D – Bus Wash Alkaline Cleaner
- Chicago Transit Authority #1467820 – Aluminum Wheel Cleaner
- Complies with OSHA 29-CFR Ch. XVII 1910.1200 and 40 CFR Ch. 1, Subparts C & D
- Complies with USEPA 600, 4-90, 027 for aquatic toxicity
- Complies with USEPA 601 & 602 for VOC testing
- California SCAQMD – Clean Air Solvent, Method 313-91
- GSA Advantage – SIN 375-361, 375-363, 375-372

INSTRUCTIONS: *SC-AIRCRAFT & Metal Cleaner* is a concentrate and may be used full-strength or diluted with water depending on the specific application. Less product may be necessary if factors such as increased temperature, dwell time and/or agitation are used. Rinse thoroughly with water to remove soil and residual product.

Suggested Dilutions:	Heavy Cleaning	100% - 40%
	Average Cleaning	20% - 10%
	Routine Maintenance	10% - 2.5%

BASIC PROPERTIES:

Appearance:	Very light, clear amber liquid
Odor:	Mild coconut and pepper
Water Solubility:	Completely water soluble
Boiling Point:	100°C (212°F)
Flash Point:	None
Specific Gravity:	1.04 gm/cc
Relative Density:	1.0090 g/ml
pH Range:	8.4 – 8.6 range

SAFE CARE® PRODUCTS ARE:

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

SAFE CARE® PRODUCTS DO NOT CONTAIN:

- Petroleum distillates
- Glycol ethers
- Terpenes
- Synthetics
- Builders & reagents
- Caustics

The information contained herein is believed to be correct including test data conducted under controlled laboratory conditions. Users of **SAFE CARE** products should perform their own test(s) to determine the suitability of the product for their specific application(s). For questions: techsupport@gemtek.com

A Division of **GEMTEK® Products**

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Product:

SC-Aircraft™ & Metal Cleaner

Revision Date: 9/9/2003

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Product-Rating

Fire - 0

Toxicity - 0

Reactivity - 0

Special - 0

Health - 0

Safety - 0

HAZARD SCALE
4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name: **SC-Aircraft™ & Metal Cleaner**

Supplier: **GEMTEK[®] Products**
3808 North 28th Avenue
Phoenix, Arizona 85017 USA
www.gemtek.com - info@gemtek.com

Emergency Telephone Number: (602) 265-8586 or 800-331-7022 (in the U.S.)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name of the Substance: Proprietary Ternary Non-ionic Surfactant Compound which complies with OSHA 29 CFR XVII-1910.1200 Section (i) "Trade Secrets". Contains no hazardous components under current OSHA definitions. The product does not contain substances which are restricted under TSCA, RCRA, SARA, CERCLA, CAL Prop 65, SCAQMD or CARB.

European Union: None of the components of this product are listed in Annex I to Directive 67/548/EEC or in Annexes II, III or V to Directive 1999/45/EC

3. HAZARDS IDENTIFICATION

Most Important Hazards: None

Specific Hazards: May be an eye irritant. Do not spray into eyes. If irritation does occur, rinse with clean water.

4. FIRST AID MEASURES

General Advice: Not considered toxic or comedogenic to skin. Suggest the use of rubber gloves for prolonged exposure to avoid dryness. General precaution is advised to avoid eye contact irritation.

Inhalation: Non-irritating - No First Aid needed.

Skin Contact: Non-irritating - No First Aid needed.

Eye Contact: Rinse thoroughly with plenty of water.

Ingestion: Non-toxic - No First Aid needed.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: None necessary.

Specific Hazards: None necessary

Specific Methods: None necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid prolonged direct contact with skin to avoid skin dryness.

Environmental Precautions: None necessary for the product itself. However, soil contaminated cleaning solution must be disposed of in accordance with federal, state & local laws depending on the type of soil..

Methods for Cleaning Up: Same as other semi-viscous non-toxic liquids. Use absorbent materials, floor squeegee or water rinse as necessary.

7. HANDLING AND STORAGE

Technical Measures/Precautions: None required.

Safe Handling Advice: Product may be slippery when spilled on hard surfaces.

Technical Measures/Storage Conditions: Advise storage above 50°F ambient air temperature to avoid cloud point.

Incompatible Products: None known.

Packaging Material: No restrictions.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Avoid eye contact; product is a slight eye irritant.

Control Parameters: None needed.

Personal Protection Equipment

Respiratory: None needed.

Eye: Recommend safety glasses to avoid eye contact.

Hand: Recommend rubber gloves to avoid skin dryness.

Hygiene Measures: None needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

% Volatile by Volume: 85.5% at 105°C
Boiling Point/Range: 100°C (212°F)
Color: Very light amber
Decomposition Temperature: Higher than 330°C
Dielectric Strength: 1.5 KV
Electric Conductivity: 3.090 F mhos/cm
Evaporation Rate: 0.7 (slower than water)
Explosive Properties: None
Flash Point: None (Penske Martin Closed Cup)
Form: low viscosity, water-like
Freezing Point: 3°C (37.4°F)

Melting Point/Range: Not Applicable
Odor: Mild coconut and pepper
pH: 8.4 – 8.6 range
Relative Density: 1.0090 g/ml
Specific Gravity: 1.04 gm/cc
Surface Tension: 24.73 dynes / cm
Vapor Density: 0.620 psi
Vapor Pressure: 17.0 mm of Hg @ 20°C
Viscosity: 7.0 @ 20°C
Water Solubility: 99.993% (completely water soluble)

10. STABILITY AND REACTIVITY

Conditions to Avoid: None known
Materials to Avoid: None known
Hazardous Decomposition Products: None known

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Product is essentially non-toxic.
Local Effects: None observed.
Specific Effects: Product is essentially non-toxic.

12. ECOLOGICAL INFORMATION

Non-toxic; non-hazardous; safe for the environment. This product is readily biodegradable according to OECD Method 301B, Modified Sturm Test and OECD Method 301C, MITI Test.

13. DISPOSAL CONSIDERATIONS

Waste from Residues/Unused Products: May be sewerable or disposable in sanitary land fill, depending upon local disposal regulations.

Contaminated Packaging: Dispose of in accordance with the Environmental Protection (Duty of Care) Regulations 1991 if contaminated with hazardous materials. May be disposed of in neat form.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.
US DOT Proper Shipping Name: Soap **US DOT Hazard Class:** 55

15. REGULATORY INFORMATION

Product complies with all known regulatory considerations and is unregulated and not listed as a Hazmat by any agency.

16. OTHER INFORMATION

For further information, contact the Headquarters of GEMTEK® Products

Recommended Uses: For exterior aircraft cleaning, general purpose cleaning and degreasing of soft metal parts and metal finish surfaces

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a performance warranty or quality specification. The information relates only to the specific material

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designated and is not valid for such material used in combination with any other materials or in any process, unless specified in the text.



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