

# SAFE CARE®

Industrial Cleaners, Solvents & Specialty Products



## SAFE CARE® SC-1000 Aqueous Cleaner Concentrate

**DESCRIPTION:** **SC-1000 Aqueous Cleaner Concentrate** is our most versatile and powerful cleaner used in a variety of industrial and commercial applications. Comprised of non-ionic surfactants and seed ester alcohols, **SC-1000™** is a colloidal solution that creates a unique hydrocarbon release agent that can tolerate tremendous soil load. The powerful micelle cleaning action of **SC-1000™** will cause long chain hydrocarbon soils including fats, greases, oils, and sugars to repel from the surface so that it can be rinsed away with water, without damaging or reacting with the cleaning surface. **SC-1000** is not a typical caustic detergent or petroleum solvent, therefore it will not damage or react with the cleaning surface. **SC-1000™** meets with the following requirements:



- USEPA Design for the Environment (DfE)
- USEPA National Oil & Hazardous Substances Pollution Contingency Plan (NCP) <sup>1</sup>
- USDA A1 General Cleaning & L1 Drain/Sewer Acceptable
- GSA SIN 375-361 & 375-363
- California's SCAQMD as a Clean Air Solvent.
- OSHA 29-CFR Ch. XVII 1910.1200 and 40 CFR Ch. 1, Subparts C & D
- USEPA 600, 4-90, 027 for aquatic toxicity
- USEPA 601 & 602 for VOC testing

<sup>1</sup>SC-1000™ is on the USEPA NCP Product Schedule under Surface Washing Agents. This listing does not mean that EPA approves, recommends, licenses, certifies or authorizes the use of SC-1000™ on an oil discharge. The listing means only that data has been submitted to EPA as required by Subpart J of the NCP § 300.915.

**INSTRUCTIONS:** Rinse surface to remove loose soil before cleaning. The product 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, temperature or agitation are used. For best results, rinse with water to remove soil and residual product.

<b>Suggested Dilutions:</b>	Difficult Cleaning	100% - 20%
	Average Cleaning	20% - 5%
	Light Cleaning	5% - .5%

### 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

### BASIC PROPERTIES:

Appearance:	Clear, very light amber liquid
Odor:	Mild surfactant
Water Solubility:	100%
Boiling Point:	100°C (212°F)
Flash Point:	None
Specific Gravity:	1.004
Relative Density:	Greater than water
pH Range:	10.2 – 10.5

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](mailto:techsupport@gemtek.com)

A Division of **GEMTEK® Products**

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**Product Name:**

**SAFE CARE® SC-1000™ Aqueous Cleaner Concentrate**

Revision Date: 07/01/05

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Hazard Scale		Product Rating	
4	Extreme	Fire	0
3	High	Toxicity	0
2	Moderate	Reactivity	0
1	Slight	Health	0
0	Insignificant	Safety	0

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

**Supplier:** **GEMTEK®** Products  
3808 North 28<sup>th</sup> 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. Contents include non-ionic surfactant, Tall-oil fatty acid, organic buffer, deionized water.

**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:** Product exhibits no adverse effects.

**Inhalation:** Non-reactive - 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:** The product itself does not burn.

**Specific Hazards:** None

**Specific Methods:** Product itself can be used to put out fires.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** None needed. Caution floor may be slippery.

**Environmental Precautions:** None needed; non-toxic, non-hazardous in neat form.

**Methods for Cleaning Up:** Filter and reuse or dispose directly by flushing area with water into sewer.

## 7. HANDLING AND STORAGE

**Technical Measures/Precautions:** Normal ventilation is adequate.

**Safe Handling Advice:** No special handling advice necessary.

**Technical Measures/Storage Conditions:** Low temperature can cause handling problems. Viscosity of material will increase.

**Incompatible Products:** No special restrictions on storage with other products.

**Packaging Material:** No restrictions.

**Emergency Contact Number: 800-331-7022**

**Product Name:**

**SAFE CARE® SC-1000™ Aqueous Cleaner Concentrate**



### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering Measures:</b>	General room ventilation is satisfactory.
<b>Control Parameters:</b>	None needed.
<b>Personal Protection Equipment</b>	
<b>Respiratory:</b>	None needed.
<b>Eye:</b>	Safety glasses may be used.
<b>Hand:</b>	None needed.
<b>Hygiene Measures:</b>	Avoid contact with eyes.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>% Volatile by Volume:</b> Nil	<b>Melting Point/Range:</b> Not Applicable
<b>Boiling Point/Range:</b> 100°C (212°F)	<b>Odor:</b> Mild surfactant odor
<b>Color:</b> Very light amber	<b>pH:</b> 10.2 – 10.5 range
<b>Decomposition Temperature:</b> > 348°C (658°F)	<b>Relative Density:</b> Greater than 1 (water = 1)
<b>Dielectric Strength:</b> 1500 volts @ 500 vps	<b>Specific Gravity:</b> 1.009
<b>Electric Conductivity:</b> 7,500 µmhos	<b>Surface Tension:</b> 29.4 dynes / cm
<b>Evaporation Rate:</b> 0.7 (slower than water)	<b>Vapor Density:</b> 0.623
<b>Explosive Properties:</b> None	<b>Vapor Pressure:</b> 0.2 psi @ 20°C (68°F)
<b>Flash Point:</b> None (Penske Martin Closed Cup)	<b>Viscosity:</b> < 100 cps @ 25°C (77°F)
<b>Form:</b> Slightly viscous liquid	<b>Water Solubility:</b> 99.935% (completely water soluble)
<b>Freezing Point:</b> 0°C (32.0°F)	
<b>Volatile Organic Compounds:</b> Considered none measurable by U.S. EPA Methods 601, 602 and 608	

### 10. STABILITY AND REACTIVITY

<b>Conditions to Avoid:</b>	No decomposition occurs.
<b>Materials to Avoid:</b>	None. Does not react with other compounds.
<b>Hazardous Decomposition Products:</b>	None.

### 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	Non-toxic.
<b>Local Effects:</b>	None.
<b>Specific Effects:</b>	None.

### 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:** Can be used after filtering. Product is recyclable.

**Contaminated Packaging:** If recycling is not practicable, dispose of in compliance 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 Classification: 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:** Cleaner/Degreaser/Solvent

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 warranty or quality specification. The information relates only to the specific material designated and is not valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Emergency Contact Number: 800-331-7022**