

# SANI-SHIELD ANTIMICROBIAL CLEANER #2577

## 3-N-1 Multi-Purpose Cleaner



### Features:

- 1-Step cleaner and protectant
- Cleans with the oxidizing power of hydrogen peroxide
- Shields surfaces to prevent re-soiling and re-contamination for easier cleaning
- Provides prolonged protection against damaging microbes such as odor causing bacteria, fungi, mold, mildew, algae and other microorganisms for 90 days or longer without reapplication
- Provides antimicrobial/bacteriostatic barrier that inhibits the growth of odor causing bacteria, algae, fungi and other contaminants
- Reduces time, labor and maintenance
- Leaves a refreshing minty fragrance



### Description:

SANI-SHIELD® is a 1-Step "spray and wipe" surface technology for general cleaning, deodorizing and protecting of hard, non-porous environmental surfaces.

It is user and earth safe; free of harsh acids or alkalis, phosphates, ammonia, glycol ethers, terpenes, hydrocarbon propellents, CFC's, quaternary ammonium compounds and chlorine bleach. Cleans 99% of everyday soil, grime, foodstuff, soap scum, grease, oil and other organic soil on tables, counters, appliances, sinks, tubs, tile, toilets, faucets, mirrors, computers, TV remotes, door handles and railings—for all horizontal and vertical surfaces.

Protects surfaces with an invisible, "antimicrobial" water, soil and stain repellent barrier coating on which odor-causing bacteria, mold and mildew will not grow in-between cleaning. It reduces the adhesion and build-up of organic soil and inorganic hard water minerals, lime scale, rust and stains for easier next-time cleaning.

### Applications:

- Glass
- Chrome
- Porcelain
- Laminates
- Ceramics
- Plastics
- Stainless Steel
- Marble/Granite

### For Use On:

- Tables
- Counters
- Toilets/Tubs
- Sinks/Faucets
- Mirrors
- Computers
- Appliances
- Telephones
- Tile
- Office Equipment
- TV Remotes
- Door Handles and Railings

### For Use By:

- Hospitals
- Nursing Homes
- Hotels
- Schools
- Spas
- Motels
- Warehouses
- Restaurants
- Offices
- Universities
- Colleges
- Healthcare Establishments

### Product Characteristics:

Appearance:	Clear liquid
Color:	Colorless
Odor:	Mint
Boiling Point:	100°C (212°F)
Vapor Pressure:	Not applicable
Viscosity:	Water
Solubility:	Soluble in water
Solubility in Water:	Soluble
Relative Density:	1
Flash Point:	Non-flammable
pH:	5 [Conc. (% w/w): 1%]
Evaporation Rate:	1 (Water = 1)
Storage:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use.
<b>Transport Information:</b>	
UN Number:	Not regulated
Proper Shipping Name:	Not available
Class:	Not available
Packing Group:	Not available

### Directions:

To clean and shield surfaces in one step, spray surface with SANI-SHIELD and wipe with cloth, paper or microfiber towel until dry and polished. For heavier soil, spray surface to saturate soil and massage with sponge or micro-fiber cloth. Wipe with dry cloth until clean and polished. Note: For electronic equipment, spray on cloth first and wipe until clean and dry.

### Pictograms:

Not applicable.

### Signal Word:

No signal word.

### Personal Protective Equipment Required:

None.

### DOT Placard:

None.

### VOC Compliant:

Yes.

### Properties:

Abrasive:	None
Freeze/Thaw Stability:	Good
Storage Stability:	Minimum 2 years

# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	257721	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	SANI-SHIELD ANTIMICROBIAL CLEANER	<b>EMERGENCY TELEPHONE:</b>	1-800-535-5053
<b>PRODUCT DESCRIPTION:</b>	3-In-1 Antimicrobial Cleaner	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	<b>PRO CHEM, INC.</b> 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

### GHS CLASSIFICATION:

**OSHA/HVS Status:** While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**Classification of the Substance or Mixture:** Not classified.

### SIGNAL WORD:

No signal word.

### SYMBOL:

None.

### HAZARD STATEMENTS:

No known significant effects or critical hazards.

### PRECAUTIONARY STATEMENTS:

**Prevention:** Not applicable.

**Response:** Not applicable.

**Storage:** Not applicable.

**Disposal:** Not applicable.

### HAZARDS NOT OTHERWISE SPECIFIED:

None known.

## 3. Composition / Information on Ingredients

**Substance/mixture:** Mixture

**Other Means of Identification:** Not available.

### CAS NUMBER/OTHER IDENTIFIERS:

**CAS Number:** Not applicable.

**Product Code:** Not available.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## 4. First Aid Measures

### EMERGENCY OVERVIEW

**EYES:** Avoid contact with eyes. If contacted, immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**SKIN:** Avoid prolonged contact with skin. If contacted for prolonged periods, flush contaminated skin with plenty of water. Get medical attention if symptoms occur.

### INHALATION:

Avoid breathing vapor or mist. If inhaled, remove person to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

### INGESTION:

Avoid ingestion. If ingested, wash out mouth with water. Remove person to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

#### Potential Acute Health Effects:

**Eye Contact:** No known significant effects or critical hazards.

**Inhalation:** No known significant effects or critical hazards.

**Skin Contact:** No known significant effects or critical hazards.

**Ingestion:** No known significant effects or critical hazards.

#### Over-Exposure Signs/Symptoms:

**Eye Contact:** No known significant effects or critical hazards.

**Inhalation:** No known significant effects or critical hazards.

**Skin Contact:** No known significant effects or critical hazards.

**Ingestion:** No known significant effects or critical hazards.

### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

**Notes to Physician:** Treat symptomatically.

**Specific Treatments:** No specific treatment.

**Protection of First-aiders:** No special protection is required.

## 5. Fire-Fighting Measures

### SUITABLE FIRE EXTINGUISHING MEDIA:

Use an extinguishing agent suitable for the surrounding fire.

### UNSUITABLE FIRE EXTINGUISHING MEDIA:

None known.

### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

No specific fire or explosion hazard.

### HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

No specific data.

### SPECIFIC FIRE-FIGHTING METHODS:

No special protection is required.

### SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental Release Measures

### PERSONAL PRECAUTIONS:

**For Non-emergency Personnel:** Put on appropriate personal protective equipment.

**For Emergency Responders:** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### ENVIRONMENTAL PRECAUTIONS:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: See Section 1 for emergency contact information and Section 13 for waste disposal.

## 7. Handling and Storage

### SAFE HANDLING:

**Protective Measures:** Put on appropriate personal protective equipment (see Section 8).

### ADVICE ON GENERAL OCCUPATIONAL HYGIENE:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

### SAFE STORAGE AND INCOMPATIBILITIES:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure Controls / Personal Protection

### PERSONAL PROTECTIVE EQUIPMENT:



**Eye/Face Protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

### Skin Protection:

**Hand Protection:** Not required under normal conditions of use.

**Body Protection:** No special protective clothing is required.

**Other Skin Protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory Protection:** Not required.

**General Hygiene Considerations:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

### APPROPRIATE ENGINEERING CONTROLS:

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### ENVIRONMENTAL EXPOSURE CONTROLS:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

**OCCUPATIONAL EXPOSURE LIMITS:** None.

## 9. Physical & Chemical Properties

<b>Physical State:</b>	Liquid. [Clear.]	<b>Flammability(solid/gas):</b>	Non-flammable.
<b>Color:</b>	Colorless.	<b>Flammability Limit-lower (%):</b>	Not applicable.
<b>Odor:</b>	Mint.	<b>Flammability Limit-upper (%):</b>	Not applicable.
<b>Odor Threshold:</b>	Not applicable.	<b>Explosive Limit-Lower (%):</b>	Not applicable.
<b>pH:</b>	5 [Conc. (% w/w): 1%]	<b>Explosive Limit-Upper (%):</b>	Not applicable.
<b>Melting Point:</b>	Not applicable.	<b>Vapor Density:</b>	Not applicable.
<b>Boiling Point:</b>	100°C (212°F)	<b>Vapor Pressure:</b>	Not applicable.
<b>Viscosity:</b>	Water.	<b>Relative Density:</b>	1
<b>Flash Point:</b>	Non-flammable.	<b>Solubility:</b>	Soluble in water.

<b>Burning Time:</b>	Not applicable.	<b>Solubility in Water:</b>	Soluble.
<b>Burning Rate:</b>	Not applicable.	<b>Auto-Ignition Temp:</b>	Not applicable.
<b>Evaporation Rate:</b>	1 (Water = 1)	<b>Decomposition Temp:</b>	Not available.
<b>SADT:</b>	Not available.	<b>Partition Coeff(n-octanol/water):</b>	Not available.
<b>Solubility in Water:</b>	Soluble.		

## 10. Stability & Reactivity Information

### REACTIVITY:

No specific test data related to reactivity available for this product or its ingredients.

### CHEMICAL STABILITY:

The product is stable.

### POSSIBILITY OF HAZARDOUS REACTIONS:

Under normal conditions of storage and use, hazardous reactions will not occur.

### CONDITIONS TO AVOID:

No specific data.

### INCOMPATIBLE MATERIALS:

Reactive or incompatible with the following materials: oxidizing materials.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological Information

**PRIMARY ROUTE OF ENTRY:** Routes of entry anticipated: Oral, Dermal, Inhalation.

**Eyes:** No known significant effects or critical hazards.

**Skin:** No known significant effects or critical hazards.

**Inhalation:** No known significant effects or critical hazards.

**Ingestion:** No known significant effects or critical hazards.

### SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

**Eyes:** No known significant effects or critical hazards.

**Skin:** No known significant effects or critical hazards.

**Inhalation:** No known significant effects or critical hazards.

**Ingestion:** No known significant effects or critical hazards.

### ACUTE TOXICITY:

There is no applicable data.

### IRRITATION/CORROSION:

There is no applicable data.

### SENSITIZATION:

There is no applicable data.

### MUTAGENICITY:

There is no applicable data.

### CARCINOGENICITY:

There is no applicable data.

### REPRODUCTIVE TOXICITY:

There is no applicable data.

### SPECIFIC TARGET ORGAN TOXICITY -single exposure:

There is no applicable data.

### SPECIFIC TARGET ORGAN TOXICITY -repeated exposure:

There is no applicable data.

### ASPIRATION HAZARD:

There is no applicable data.

### DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE:

#### Short Term Exposure:

**Potential Delayed Effects:** No known significant effects or critical hazards.

**Potential Immediate Effects:** No known significant effects or critical hazards.

#### Long term exposure

**Potential Immediate Effects:** No known significant effects or critical hazards.

**Potential delayed Effects:** No known significant effects or critical hazards.

#### Potential Chronic Health Effects:

**General:** No known significant effects or critical hazards.

**Carcinogenicity:** No known significant effects or critical hazards.

**Mutagenicity:** No known significant effects or critical hazards.

**Teratogenicity:** No known significant effects or critical hazards.

**Developmental Effects:** No known significant effects or critical hazards.

**Fertility Effects:** No known significant effects or critical hazards.

### NUMERICAL MEASURES OF TOXICITY:

**Acute Toxicity Estimates:** There is no applicable data.

## 12. Ecological Information

### TOXICITY:

There is no data available.

### PERSISTENCE AND DEGRADABILITY:

There is no data available.

### BIOACCUMULATIVE POTENTIAL:

There is no data available.

### MOBILITY IN SOIL:

**Soil/water Partition Coefficient (KOC):** There is no data available.

**OTHER ADVERSE EFFECTS:**

No known significant effects or critical hazards.

**13. Disposal Consideration****DISPOSAL INSTRUCTIONS:**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**14. Transportation Information****DOT:** UN Number: Not regulated.

UN Proper Shipping Name: -

Transport Hazard Class(es):

Class: -

Packing Group: -

Environmental Hazards: No.

**IATA:** UN Number: Not regulated.

UN Proper Shipping Name: -

Transport Hazard Class(es):

Class: -

Packing Group: -

Environmental Hazards: No.

**IMDG:** UN Number: Not regulated.

UN Proper Shipping Name: -

Transport Hazard Class(es):

Class: -

Packing Group: -

Environmental Hazards: No.

**SPECIAL PRECAUTIONS FOR USER:**

Transport within User's Premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:**

Not available.

**15. Regulatory Information****U.S. FEDERAL REGULATIONS:**

TSCA 8(a) CDR Exempt/Partial Exemption: Not determined.

United States Inventory (TSCA 8b): All components are listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Not listed.

Clean Air Act Section 602 Class I Substances: Not listed.

Clean Air Act Section 602 Class II Substances: Not listed.

DEA List I Chemicals (Precursor Chemicals): Not listed.

DEA List II Chemicals (Essential Chemicals): Not listed.

SARA 302/304

**COMPOSITION/INFORMATION ON INGREDIENTS**

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Hydrogen peroxide	0.1 - 1	Yes.	-	-	-	-

SARA 304 RQ: Not applicable.

SARA 311/312:

Classification: Not applicable.

**COMPOSITION/INFORMATION ON INGREDIENTS:**

No products were found.

**US STATE REGULATIONS:**

Massachusetts: None of the components are listed.

New York: None of the components are listed.

New Jersey: None of the components are listed.

Pennsylvania: None of the components are listed.

California Prop. 65: No products were found.

**INTERNATIONAL REGULATIONS:****International Lists:**

Australia inventory (AICS): All components are listed or exempted.

China inventory (IECSC): All components are listed or exempted.

Japan inventory: Not determined.

Korea inventory: All components are listed or exempted.

Malaysia Inventory (EHS Register): Not determined.

New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.

Philippines inventory (PICCS): All components are listed or exempted.

Taiwan inventory (CSNN): Not determined.

**CHEMICAL WEAPONS CONVENTION LIST SCHEDULE I CHEMICALS:**

Not listed.

**CHEMICAL WEAPONS CONVENTION LIST SCHEDULE II CHEMICALS:**

Not listed.

**CHEMICAL WEAPONS CONVENTION LIST SCHEDULE III CHEMICALS:**

Not listed.

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

**16. Other Information**

**KEY TO ABBREVIATIONS:**

ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

**DISCLAIMER:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.

300 C

2768 C

186 C

1-Step Cleaner, Deodorizer & Protectant



3-IN-1 ANTIMICROBIAL CLEANER

- Cleans with the Oxidizing Power of Hydrogen Peroxide
- Shields Surfaces to Prevent Re-soiling & Re-contamination for Easier Cleaning
- Provides Antimicrobial/Bacteriostatic Barrier that Inhibits the Growth of Odor Causing Bacteria, Algae, Fungi & Other Contaminates
- Reduces Time, Labor & Maintenance



FOR INDOOR & OUTDOOR HIGH TOUCH SURFACES

32 fl. oz. (946 ml.)  
WARNING: EYE IRRITANT (See Back Label)

Active ingredient:  
 3-(Trimethoxysilyl) propyldimethyl octadecyl ammonium chloride... 0.50%  
 Other Ingredient..... 99.50%  
 Total: ..... 100.00%

# SANI-SHIELD 3-IN-1 ANTIMICROBIAL CLEANER

SANI-SHIELD® is a 1-Step "spray and wipe" surface technology for general cleaning, deodorizing and protecting of hard, non-porous environmental surfaces in hospitals, nursing homes, schools, hotels, spas, restaurants, offices, healthcare establishments and other high traffic facilities.

Use SANI-SHIELD on glass, porcelain, ceramics, stainless steel, chrome, laminates, plastics, marble, granite and other surfaces. It is user and earth safe; free of harsh acids or alkalis, phosphates, ammonia, glycol ethers, terpenes, hydrocarbon propellents, CFC's, quaternary ammonium compounds and chlorine bleach.

Cleans 99% of everyday soil, grime, foodstuff, soap scum, grease, oil and other organic soil on tables, counters, appliances, sinks, tubs, tile, toilets, faucets, mirrors, computers, TV remotes, door handles and railings—for all horizontal and vertical surfaces.

Shields surfaces with an invisible, "antimicrobial" water, soil and stain repellent barrier coating on which odor-causing bacteria, mold and mildew will not grow in-between cleaning. It reduces the adhesion and build-up of organic soil and inorganic hard water minerals, lime scale, rust and stains for easier next-time cleaning.

**DIRECTIONS:** To clean and shield surfaces in one step, spray surface with SANI-SHIELD and wipe with cloth, paper or microfiber towel until dry and polished. For heavier soil, spray surface to saturate soil and massage with sponge or micro-fiber cloth. Wipe with dry cloth until clean and polished. **Note:** For electronic equipment, spray on cloth first and wipe until clean and dry.

SHIELDING BENEFITS AUTOMATICALLY RENEW WITH EACH CLEANING.

**WARNING:** Avoid contact with eyes: In case of contact with eyes, flush or rinse with water for 15 minutes. If irritation develops, see physician. **KEEP OUT OF REACH OF CHILDREN.**

Made in USA  
Distributed by  
Pro Chem, Inc.  
1475 Bluegrass  
Lakes Parkway  
Alpharetta, GA 30004  
1-800-241-8180  
www.procheminc.com

Product #257721



EPA-Registered Component  
Unelko EPA Registration  
#71973-3



U.S. Patent 6,994,890  
International  
Patents Granted

