



# RFS-10

## RINSE FREE SANITIZER

# FOOD SERVICE PRODUCTS

**DESCRIPTION:** Brilliant's RFS-10 is a Rinse Free Sanitizer, Disinfectant, and Deodorizer recommended for use on Hospitals Nursing Homes, Institutions, Industrial, School, Restaurant, Bar and Institutional Kitchen use. This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to preclean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection. Do not rinse following use of the product as a sanitizer on previously cleaned hard surfaces provided that the surfaces are adequately drained before contact with food so that little or no residue remains. Apply this product with a cloth, mop or mechanical spray device. When applied with a mechanical spray device, surfaces must be sprayed until thoroughly wetted. Treated surfaces must remain wet for 10 minutes. For sprayer applications, use a coarse mist pump or trigger sprayer. Spray 6-8 inches from surface, rub with brush, sponge or cloth. Do not breathe spray. NOTE: With spray applications cover or remove all food products. A fresh solution should be prepared at least daily or when use solution becomes visibly dirty. For heavily soiled areas, a preliminary cleaning is required.

### DIRECTIONS:

#### FOOD CONTACT SANITIZING DIRECTIONS

Sanitizing of Food Processing Equipment and Other Hard Surfaces in Food Processing Locations, Dairies, Restaurants and Bars Directions: For sanitizing food processing equipment, dairy equipment, food utensils, dishes, silverware, glasses, sink tops, countertops, refrigerated storage and display equipment and other hard non-porous surfaces. DO NOT RINSE. Prior to application, remove gross food particles and soil by a pre-flush or pre-scrape and when necessary, presoak. Then thoroughly wash or flush objects with a good detergent or compatible cleaner, followed by a potable water rinse before applications of the sanitizing solution.

Before use as a sanitizer in federally inspected meat and poultry plants and dairies, food products and packaging materials must be removed from the room or carefully protected. A potable water rinse is not required following the use of this product as a sanitizer on previously cleaned hard nonporous surfaces provided that the surfaces are adequately drained before contact with food so that little or no residue remains.

Apply a solution of 1 to 2 ounce(s) of this product in 4 gallons of water, (or equivalent use dilution) (200-400 ppm active) to pre-cleaned, hard surfaces thoroughly wetting surfaces with a cloth, mop, sponge, sprayer or by immersion. For spray applications, use a coarse pump or trigger sprayer. Spray 6 to 8 inches from surface, rub with brush, sponge, or cloth. Do not breathe spray. With spray applications cover or remove all food products. From a Closed Loop Dilution Center, apply 200-400 ppm active solution to the surface to be sanitized. Surfaces should remain wet for at least 1 minute followed by adequate draining and air drying. A fresh solution should be prepared at least daily or when use solution becomes visibly dirty. For mechanical application use solution may not be reused for sanitizing applications. DO NOT RINSE AFTER APPLICATION OF THE SANITIZING SOLUTION.

Dishes, silverware, glasses, cooking utensils and other similar size food processing equipment can be sanitized by immersion in a 1 to 2 ounce(s) per 4 gallons solution of this product (200-400 ppm active). DO NOT RINSE.

#### DISINFECTION

**Hospitals, Dental Offices, Nursing Homes and other Health Care Institutions.** For disinfecting floors, walls, countertops, bathing areas, lavatories, bed frames, tables, chairs, garbage pails and other hard non-porous surfaces. Add 3 ounces of this product to 5 gallons of water (0.60 ounces per gallon) (450 ppm active). Treated surfaces must remain wet for 10 minutes. At this use level, this product is bactericidal according to the AOAC Use Dilution Test method on hard inanimate surfaces.

**Cleansing of Body Surfaces and Body Orifices of Human Remains.** To cleanse away skin secretions and accompanying malodor, to insure the removal of all soil and bloodstains, and to remove and reduce surface contamination, apply 3 ounces of this product to 5 gallons of water (0.60 ounces per gallon) (450 ppm active) to the surfaces and body openings, natural or artificial. Allow a 10 minute contact time for optimal results. Bathe the entire body using sponge or washcloth. A soft brush may be employed on surfaces other than the face. Prepare a fresh solution for application of each remains.

**Mold and Mildew Control:** At 3 ounces per 5 gallons, (0.60 ounces per gallon) (450 ppm active quat) this product will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard non-porous surfaces (as indicated in general instructions above). Allow to dry on surface and repeat treatment every seven days or when new growth appears.

**General Deodorization:** To deodorize, add 1.75 ounces of this product to 5 gallons of water (or equivalent use dilution)(270 ppm active quat). Excess material should be wiped up or allowed to air dry.

**To Disinfect Food Service Establishment Food Contact Surfaces:** For countertops, appliances and tables. Add 3 ounces of this product to 5 gallons (0.60 ounces per gallon) of water (or equivalent use dilution)(450 ppm active quat). For heavily soiled areas, a pre-cleaning step is required. Apply solution with a mop, cloth sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. For sprayer applications, use a coarse spray. Allow to remain wet for 10 minutes. Then remove excess liquid and rinse the surface with potable water.

### PACKAGING:

#### SIZE

4/1 gallon case  
5 gallon pail  
15 gallon drum  
55 gallon barrel

#### CATALOG #

64070604  
64070605  
64070615  
64070655

## PRODUCT SPECIFICATIONS

Appearance:	Clear Liquid
Color:	Clear
Odor:	Mild
pH:	6.00-9.00
Specific Gravity:	.975-1.000
Viscosity:	<10

E.P.A. Reg. No. 10324-85-81270  
E.P.A. Est. No. 35404-FL-1

**BRILLIANT PRODUCTS**  
P. O. Box 1425 Avon Park, FL 33826  
Phone: 863-452-3872 Fax: 863-452-3878

**CONTROLLED**

Issue Date: 10/18/05  
Form PB640706, Rev (A)

**MATERIAL SAFETY DATA SHEET**

Prepared By: R. Gomez

(Prepared According to 29 CFR 1910.1200)

Effective Date: 10/18/05

**SECTION 1- PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION**

**Product Name:** RFS -10  
**Generic Name:** Rinse Free Sanitizer  
**Product Group:** Food Service Products

**Manufacturer's Name:** BRILLIANT PRODUCTS  
 P.O. BOX 1425  
 AVON PARK, FL 33826  
**Phone #:** (863)-452-3872

**SECTION 2- INGREDIENT INFORMATION**

CHEMICAL NAME	CAS #	WT %	PEL	TWA-TLV	STEL- TLV
Water	7732-18-5	to 100	N.A.	N.A.	N.A.
Ethanol	64-17-5	N.A.	N.A.	N.A.	N.A.
Didecyl dimethyl ammonium chloride	7173-51-5	N.A.	N.A.	N.A.	N.A.
Alkyl dimethyl benzyl ammonium chloride (C <sub>12-16</sub> )	68424-85-1	N.A.	N.A.	N.A.	N.A.

**SECTION 3- PHYSICAL DATA**

**Boiling Point:** 212°F  
**Vapor Pressure:** 17 mm Hg @ 20° C  
**% Volatile:** 50 %  
**Solubility in Water:** Complete  
**Physical Description:** Clear liquid with mild odor.

**Specific Gravity:** .975-1.00  
**Vapor Density (Air=1):** <1  
**pH:** 6.0 – 9.00  
**Evaporation Rate (Water=1):** <1

**SECTION 4-FIRE AND EXPLOSION HAZARD DATA**

**Flash Point:** Over 200°F  
**Extinguishing Media:** Water fog, dry chemical, chemical foam, CO<sub>2</sub>  
**Special Firefighting Procedures:** Must wear NIOSH/MSA self-contained breathing apparatus, full protective clothing.  
**Unusual Fire/Explosion Hazards:** Burning product is toxic; Vapors flammable.  
**Upper Explosion Limits:** N.A. **Lower Explosion Limits:** N.A.

**SECTION 5- REACTIVITY DATA**

**Stability:** Stable      **Incompatibility:** Do not mix with oxidizers, anionic soaps and detergents.      **Hazardous Polymerization:** will not occur  
**Hazard Decomposition Products:** Toxic organic vapors and fumes: hydrogen chloride, amine vapors, carbon dioxide, carbon monoxide, and oxides of nitrogen.

**SECTION 6- STORAGE AND HANDLING INFORMATION**

Store in original container in areas inaccessible to small children. Do not store on side. Avoid creasing or impacting of side walls. Do not reuse empty container. Wrap and discard in trash (or recycle). Keep container closed when not in use. Protect from extreme temperatures.

**SECTION 7- HEALTH HAZARDS AND FIRST AID**

**Effects of Overexposure**  
**Skin:** Contact may cause irritation, burns and possible irreversible damage.  
**Eyes:** Will cause irritation and/or burns and possible irreversible damage.  
**Inhalation:** Vapors or mist may cause irritation to mucous membranes. Prolonged inhalation may produce drowsiness, lassitude, and lack of concentration.  
**Ingestion:** Can cause immediate burning in mouth, throat, and abdomen, severe swelling in the larynx. Can cause skeletal muscle paralysis affecting the ability to breathe, circulatory shock and/or convulsions. May be fatal if swallowed.  
**First Aid:** Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  
**If On Skin Or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.  
**If In Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.  
**If Swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.  
**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.  
**Note To Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

**SECTION 8- SPECIAL PROTECTION INFORMATION**

**Respiratory Protection:** None.  
**Ventilation Requirements:** Recommended.  
**Protective Gloves:** Chemical resistant neoprene or rubber.  
**Eye Protection:** Safety glasses recommended.  
**Other Protective Equipment:** Safety eye bath nearby.

**SECTION 9-SPILL OR LEAK PROCEDURES**

**Cleanup Procedure for Spills:** Small spills– wash to sanitary sewer with plenty of water. Large spills- Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb or hold disposal. Avoid discharge to sewer or open waterways.

**Waste Disposal:** Dispose in accordance with local, state and federal regulations.

**SECTION 10-REGULATORY INFORMATION**

<p>SARA Title III – Section 311/312 – Hazard Categories: N                      Fire: Y                      Sudden Release of Pressure: N                      Reactivity: N                      Acute (IMMEDIATE) Health Hazard: Y                      Chronic (DELAYED) Health Hazard: Y                      Other: Burning product produces toxic fumes.</p>	<p><b>Shipping Information</b></p> <p>Name: Disinfectant Liquids, Corrosive.                      Hazard Class: 8                      Reference: 49CFR 172.101                      Identification #: UN 1903                      Label: Corrosive</p>	<p><b>HMIS Hazardous Material Identification System</b></p>	
		<p><b>Health</b></p>	<p><b>1</b></p>
		<p><b>Flammability</b></p>	<p><b>0</b></p>
		<p><b>Reactivity</b></p>	<p><b>0</b></p>

For emergency and medical help line, call INFOTRAC at 1-800-535-5053, 24 hours a day, 7 days a week for information on all our products and/or MSDS. Obtain an MSDS at [www.pride-enterprises.org/MSDS/menu.htm](http://www.pride-enterprises.org/MSDS/menu.htm) or call customer service at (863)-452-3872.

**Personal Protection**      **1**

**SECTION 11- OTHER INFORMATION**

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts No responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept NO liability for damages or loss incurred from the improper handling and use of this product.