

**Protea™  
Engineered  
For Chemical  
Resistance**



**kwalu®**

Protea™, Kwalu's proprietary material, is engineered to withstand the realities of healthcare and senior living environments. It is unaffected by water-based and water-soluble cleaning systems and resists exposure to many common substances, including organic solvents, oils, acids, salts, and everyday contaminants. Protea maintains its performance and appearance even when exposed to rigorous cleaning protocols and frequent use.

The following list outlines chemicals and chemical products that have no effect on Protea.

3M Neutral Quat Disinfectant Cleaner Concentrate 23 (EPA 47371-129-10350)	Barium Cyanide	Chocolate Syrup
Acetamide	Barium Hydroxide	Chromic Acid 50%
Acetate Solv. 2	Barium Nitrate	Cider
Acetyl Chloride	Barium Sulfate	Cinnamon
Acetylene2	Barium Sulfide	Citric
Acid Fluoborate Bath R.T.	Barrel Chrome Bath 95°F	Citric Acid
Acrylonitrile	Bay	Citric Oils
Activate 5.25% Institutional Bleach	Beef Sugar Liquids	Clorox Disinfecting Wipes - Crisp Lemon (EPA 5813-79)
Alkaline Cyanide Bath R.T.	Beer2	Clorox Healthcare Bleach Germicidal Cleaner (EPA 67619-12)
Alohois Amyl	Benzoic Acid	Clorox Healthcare Fuzion Cleaner Disinfectant (EPA 67619-30)
Alum Potassium Sulfate (Alum), 10%	Bleach-Rite Disinfecting Spray with Bleach (EPA 70590-2)	Clorox Healthcare Spore Defense Cleaner Disinfectant (EPA 67619-40)
Alum Potassium Sulfate (Alum), 100%	Blood	Clorox Regular Bleach (EPA 5813-100)
Aluminum Chloride	Bone	Clove
Aluminum Fluoride	Borax (Sodium Borate)	Coconut
Aluminum Hydroxide6	Boric Acid	Cod Liver
Aluminum Sulfate	Brewery Slop	Coffee
Ammonia 10%	Bromine2 (wet)	Comet Disinfecting Cleaner with Bleach (EPA 3573-77)
Ammonia, Anhydrous	Buster	Copper Chloride
Ammonia, Bifluoride	Butadiene	Copper Cyanide
Ammonia, Carbonate	Butane 2 1	Copper Floborate
Ammonia, Casenite	Butanol	Copper Nitrate
Ammonia, Chloride	Butter	Copper Sulfate
Ammonia, Hydroxide	Buttermilk	Copper-Zinc Bronze Bath 100°F
Ammonia, Liquids	Butyl	Corn
Ammonia, Nitrate	Butylene	Cotton Seed
Ammonia, Oxalate	Butyric Acid1	CPPC Tsunami
Ammonia, Persulfate	Calcium Bisulfate	Cream
Ammonia, Phrosphate, Dibasic	Calcium Carbonate	Cresylic Acid
Ammonia, Phrosphate, Monobasic	Calcium Chlorate	CSP-3002-3
Ammonia, Phrosphate, Tribasic	Calcium Chloride	Cyanic Acid
Ammonia, Sulfate	Calcium Hydroxide	Cyclohexane
Ammonia, Thiosulfate	Calcium Sulfate	Cycolic Acid
Amyl Alcohol	Calgon	Defender Disinfectant and Cleaner 13.1g tablet (EPA 71847-7-9281)
Anise	Cane Juice2	Detergents
Anti-Freeze	Carbolic Acid (See Phenol)	DIC-1 Spray Disinfectant (EPA 1839-220-83908)
Antimony Trichloride	Carbon Dioxide (wet)	Diesel Fuel
Arochlor 1248	Carbon Monoxide	Diethylene Glycol
Arsenic Acid	Carbonic Acid	Diphenyl Oxide
Arsenic Plating 110°F	Catsup	
Asphalt	Cavicide I (EPA 46781-12)	
Avert Sporicidal Disinfectant Cleaner (EPA 70627-72)	CaviWipes Bleach (EPA 46781-14)	
Barium Carbonate	Chloracetic Acid2	
Barium Chloride	Chlorinated Glue	
	Chlorine (dry)	
	Chlorine Water	

## Chemicals That Have No Effect on Protea™ (Continued)

Dispatch Hospital Cleaner	Isopropyl Acetate	Nitric Acid (Concentrated Solution)
Disinfectant Towels with Bleach (EPA 56392-8)	Isopropyl Ethre 2	Octyl
Dyes	Isotane 2	Oleic Acid
Epsom Salts (Magnesium Sulfate)	Jet Fuel (JP#, JP4, JP5)	Olive
Ethane	Kerosene2	Orange
Ethanolamine	Kimtech Germicidal Wipe	Osceola 160C
Ethyl	Kimtech Surface Sanitizer Wipe (EPA 9402-9)	Oxalic Acid (cold)
Ethyl Acetate2	Lactic Acid	Oxivir 1 Wipes (EPA 70627-77)
Ethyl Sulfate	Lard	Oxivir TB (EPA 70627-56)
Ethylene Glycol4	Latex	Oxivir TB Wipes (EPA 70627-60)
Faeces	Lead Acetate	Palm
Fatty Acids	Lead Fluoborate Plating	Paraffin
Ferric Chloride	Lead Sulfamate Lemon	PDI Sani-Cloth Bleach Germicidal Disposable Wipe (EPA 9480-8)
Ferric Nitrate	Ligroin3	PDI Sani-HyPerCide Germicidal Spray (EPA 9480-14)
Ferric Sulfate	Lime	PDI Super Sani-Cloth Germicidal Disposable Wipe (EPA 9480-4)
Ferrous Chloride	Linseed	Peanut3
Ferrous Sulfate	Lubricants	Pentane
FF-ATH	Lysol All-Purpose Cleaner (EPA 777-66)	Peppermint2
Fluoboric Acid	Lysol Bleach Multi-Purpose Cleaner (EPA 777-83)	Percholorethylene 2
Fluoride Bath	Magnesium Carbonate	PeridoxRTU Sporidical Disinfectant and Cleaner (EPA 8383-13)
Fluosilicate Bath	Magnesium Chloride	Petrolatum
Fluosilicic Acid	Magnesium Hydroxide	Phenol (Carbolic Acid)
Formaldehyde	Magnesium Nitrate	Phenol 10%
Formaldehyde 40%	Magnesium Oxide	Phosphoric Acid (Crude)
Freon 11 1	Magnesium Sulfate	Phosphoric Acid (to 40% Solution)
Freon 12 (wet)2	Maleic Acid	Photographic (Developer)
Freon T.F.4	Maleic Anhydride	Phthalic Anhydride
Fruit Juice	Malic Acid	Picric Acid
Fuel Oils	Mash	Pine
Furan Resin	Massasoit A	Potash
Gallic Acid	Mayonnaise	Potassium Bicarbonate
Gelatin	Mehtyl Bromide	Potassium Bromide
Geronimo 160A	Melamine	Potassium Carbonate
Ginger	Mercuric Chloride (Dilute Solution)	Potassium Chlorate
Glucose	Mercuric Cyanide	Potassium Chlorid
Glue P.V.A.1	Mercury Methanol (See Alcohol Methyl)	Potassium Chromate
Glycerine	Metacomet 160B	Potassium Cyanide Solutions
Gold Monocyanide	Methyl Acetate	Potassium Dichromate
Grape Juice	Methyl Acetone	Potassium Ferrocyanide
Grease 4	Methyl Acrylate	Potassium Hydroxide (50%)
Haste-SSD-Component A	Methyl Cellosive	Potassium Nitrate
Haste-SSD-Component B	Methyl Dichloride	Potassium Permanganate
Heptane	Methyl Isobutyl Ketone 2	Potassium Sulfate
Hexyl	Methyl Methacrylate	Potassium Sulfide Propyl
High Speed Brass Bath 110°F	Methyl6	ProForce Bathroom & Tile Cleaner with Bleach (CAS 7681-52-9)
Honey	Methylamine	Propylene Glycol
Hydraulic Oils (petroleum)1	Methylene Chloride	PUMA
Hydrazine	Methylul Isopropyl Ketone	Pure Bright Germicidal Ultra Bleach (EPA 70271-13)
Hydrobromic Acid (Dry gas)	Micro-Kill Bleach Germicidal Bleach Solution (EPA 37549-2)	Pyridine
Hydrobromic Acid 4	Micro-Kill Bleach Germicidal Bleach Wipes (EPA 37549-1)	Pyrogallic Acid
Hydrocyanic Acid	Milk	Rape Seed
Hydrocyanic Acid (Gas 10%)	Mineral	Rhodium Plating 120°F
Hydrogen Gas	Molasses	Rosin
Hydrogen Peroxide	Mustard	Rosins
Hydrogen Peroxide 10%	Naptha	Rum
Hydrogen Peroxide 30%	Nickel Chloride	Rust Inhibitors
Hydrogen Sulfide (dry)	Nickel Sulfate	Salad Dressing
Hydrogen Sulfide, Aqueous Solution	Nitric Acid (10% Solution)	Scrubs Medaphene Plus Disinfecting Wipes (EPA 6836-340-11694)
Hydroxyacetic Acid (70%)	Nitric Acid (20% Solution)	
Indium Sulfamate Plating R.T.	Nitric Acid (50% Solution)	
Ink		
Iodoform		
Isobutyl		
Isopropyl		

## Chemicals That Have No Effect on Protea™ (Continued)

Sea Water  
 Sesame Seed  
 Shellac (Bleached)  
 Shellac (Orange)  
 Silicone  
 Silver Bromide  
 Silver Nitrate (CAS 7761-88-8)  
 Silver Plating 80- 120°F  
 Soap Solutions  
 Soda Ash (See Sodium Carbonate)  
 Sodium Acetate  
 Sodium Aluminate  
 Sodium Bicarbonate  
 Sodium Bisulfate  
 Sodium Bisulfite  
 Sodium Carbonate  
 Sodium Chlorate  
 Sodium Chromate  
 Sodium Cyanide  
 Sodium Hydroxide (20%)  
 Sodium Hydroxide (50% Solution)  
 Sodium Hydroxide (80% Solution)  
 Sodium Hypochlorite  
 Sodium Hypochlorite 3 (to 20%)  
 Sodium Metaphosphate  
 Sodium Metasilicate  
 Sodium Nitrate  
 Sodium Perborate  
 Sodium Peroxide  
 Sodium Polphosphate  
 (Mono, Di, Tribasic)  
 Sodium Silicate  
 Sodium Sulfate  
 Sodium Sulfide

Sodium Sulfite  
 Sodium Tetraborate  
 Sodium Thiosulphate ("Hypo")  
 Sorghum  
 Soy Sauce  
 Spartan Diffense (EPA 5741-28)  
 Sperm  
 Stannic Chloride  
 Stannic Fluoborate  
 Stannous Chloride  
 Starch  
 Stearic Acid<sup>2</sup>  
 Steriplex SD Activator (Part B)  
 Steriplex SD Part A  
 Stoddard Solvent  
 Styrene  
 Sugar (Liquids)  
 Sulfamate 100- 140°F  
 Sulfamate 140°F  
 Sulfate Liquors  
 Sulfur Chloride  
 Sulfur Trioxide (dry)  
 Sulfuric Acid (10%- 75%)<sup>2</sup>  
 Sulfuric Acid (to 10%)  
 Sulfuric Acid 75%- 100%  
 Sulfurous Acid  
 Sulfuryl Chloride Syrup  
 Super-Chlor  
 Tallow  
 Tannic Acid  
 Tanning  
 Tanning Liquors  
 Tartaric Acid  
 Tecumseh B

Tin-Fluoborate Plating 100°F  
 Tine-Lead Plating 100°F  
 Tomato Juice  
 Trichlorethane  
 Trichloropropane  
 Triethylamine  
 Tubbs  
 Turbine  
 Turpentine<sup>3</sup>  
 UP & UP Concentrated Bleach with  
 Fabric Protection (EPA 70271-20)  
 Urine  
 Varnish (Use Viton for Aromatic)  
 Vegetable Juice  
 Vinegar  
 Virex II 256 (EPA 70627-24)  
 Virex Plus (EPA 6836-349-70627)  
 Virex TB (EPA 70627-2)  
 Wampatuck C  
 Water, Acid, Mine  
 Water, Distilled, Lab Grade 7  
 Water, Fresh  
 Water, Salt  
 Weed Killers  
 Whey  
 Whiskey and Wines  
 White Liquor (Pulp Mill)  
 White Water (Paper Mill)  
 Zinc Chloride  
 Zinc Hydrosulphite Bleach-Rite  
 Disinfecting Spray with Bleach  
 (EPA 70590-2)



At Kwalu, we create nurturing environments that inspire care, comfort, and connection in healthcare and senior living.

For over 40 years, we've crafted high-quality, durable furniture that enhances the spaces where people live, heal, and build community. What sets us apart is Protea™, our proprietary, non-porous material that offers the beauty of wood with unmatched durability. Inspired by the resilient Protea flower, it ensures our furniture withstands high-traffic environments while remaining easy to clean and maintain.

**kwalu**®

6160 Peachtree Dunwoody Rd. Building C, Atlanta, GA 30328  
 1-877-MY-KWALU [kwalu.com](http://kwalu.com)

Chem-0326