

Aerospace

Primary Business: Manufacture & maintenance of shuttles, missiles, satellites, ground-support equipment, etc.

Description of Primary Usage: Parts washing @ 4:1 with Crystal; Pressure washing equipment, vehicles & tarmacs @ 30:1 to 50:1 with Crystal (dilution depends on severity of grease/grime to be removed).

Additional Products: 60-gallon Parts Washer, Proportioner, Safety Towels, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Agriculture - Livestock & Farms

(see *Food Production: Meat & Poultry Processing Plants & Livestock Farms*)

Aircraft Maintenance

Primary Business: Ground-crew support of airplanes (major airlines, corporate air fleets, air-transport companies).

Ancillary Business: Airline catering companies (see *Food Service: Restaurants*)

Description of Primary Usage: Parts washing @ 4:1 with Crystal or 1:1 with Extreme Simple Green®; Pressure washing exteriors & tarmacs @ 30:1 to 50:1 with Extreme Simple Green; Cleaning & Cleaning mirrors, glass & chrome @ 127:1 with Extreme Simple Green.

Additional Products: 60-gallon Parts Washer, Proportioner, Safety Towels, Scrubbing Pads, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Animals - Aquariums, Zoos and other wildlife centers

(see also *Building Maintenance and Grounds Maintenance*)

Primary Business: Housing and caring for various types of animals.

Description of Primary Usage:

Zoo: General facility maintenance @ 30:1 with Simple Green.

Aquarium: Clean rocks, glass, pools and food prep areas with Simple Green @ 10:1. General facility maintenance @30:1 with Simple Green.

Descaling saltwater tanks and equipment with Lime scale Remover. Clean scuba wetsuits, belts, gloves, fins @ 150:1 with Simple Green.

Use caution when cleaning oxygen equipment - see *Compressed Gases*.

Animal Rescue: Clean and maintain rehabilitation facilities with Simple Green and/or Crystal Simple Green.

Additional Products: Foamer, Safety Towels, Scrubbing Pads, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Automotive & ATV Maintenance & Repair

(See also *Transportation*)

Primary Business: Repairing and maintaining mechanical & electrical systems on trucks and autos.

Description of Primary Usage: Parts washing @ 4:1 with Crystal; Cleaning and pressure washing shop floors, walls, mats, service bays and hydraulic lifts @ 20:1 with Crystal; cleaning hands and tools with Safety Towels.

Additional Products: 60-gallon Parts Washer, Proportioner, Foamer, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Beverage Production/Bottling Plants

Primary Business: Manufacturing and bottling beverages.

Description of Primary Usage: Parts washing @ 4:1 with Crystal; Basic machinery and conveyor maintenance @ 10:1 with Crystal; Cleaning floors, walls and counters @ 20:1 with Crystal.

Additional Products: 30-gallon Parts Washer, Proportioner, Foamer, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Building Maintenance & Contract Cleaning

(see also *Multi-Industry Application areas*)

Primary Business: Cleaning all interior and exterior areas of commercial and industrial buildings.

Description of Primary Usage: Cleaning floors, walls, ceilings @ 10:1 with original Simple Green (@ 20:1 with Crystal); Cleaning windows @150:1 with Crystal; Cleaning carpets with steam-extraction machine @ 3oz. to 1 gal. water with Simple Green Carpet Cleaner; Parts washing @ 4:1 with Crystal.

Additional Products: 30-gallon Parts Washer, Foamer, Scrubbing Pads, Empty 24oz. Dilution Spray Bottles

Compressed Gas

Primary Business: Medical equipment, scuba diving and other compressed gas services for oxygen, freon, fluoride, neon and others.

Description of Primary Usage: Clean interiors of equipment and gas lines with 500:1 with Crystal. Rinse thoroughly to remove all organics from surfaces. External parts (masks, tank exteriors, scuba equipment, etc.) can be cleaned with higher concentrations such as 10:1 with Crystal.

Additional Products: 60-gallon Parts Washer, Proportioner, Foamer, Safety Towels, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Construction

(see Multi-Industry Application Areas)

Primary Business: Constructing buildings, dams, highways, roads and other public works projects, and maintaining construction equipment (front loaders, backhoes, tractors, graders, cranes, forklifts, etc.).

Description of Primary Usage: Parts washing @ 4:1 with Crystal; Fleet maintenance (exterior cleaning) @ 40:1 with Crystal in steam cleaner, @ 30:1 in pressure washer; Floors @ 15:1 with Crystal.

Additional Products: 60-gallon Parts Washer, Proportioner, Foamer, Safety Towels, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Electronics Manufacturing & Repair

Primary Business: Production and/or repair of electronic equipment, printed circuit board manufacture, silicon chip manufacture (flux removal).

Description of Primary Usage: Bench-top cleaning applications: cleaning plastic equipment cases @ 20:1 with Crystal; Cleaning glass dial-covers & screens @ 150:1 with Crystal , Removal of solder-flux @ 1:1 with Crystal (followed by triple water rinse, double de-ionized water rinse and then air or alcohol drying). Cleaning "clean room" @ 30:1 with Crystal. Final cleaning of electronic equipment prior to shipping @ 30:1 with Crystal. Degreasing generators and other rotating electrical equipment @ 30:1 with Simple Green.

Additional Products: Empty Crystal 24oz. Spray Bottles

Fishing: Commercial

Primary Business: Fresh and saltwater commercial fishing

Description of Primary Usage: Simple Green is effective from stem to stern, from mast to keel, including bilges. Bulkhead/bilge cleaning with Crystal @ 10:1 (dilution depends on viscosity & properties of material being cleaned out); Deck cleaning @ 15:1 with Crystal; Engine & equipment maintenance cleaning @ 5:1 with Crystal; Parts washing @ 4:1 with Extreme Simple Green if using oil-water separator technology; Parts washing @ 4:1 with Crystal if disposing differently.

Additional Products: 60-gallon Parts Washer, Proportioner, Foamer, Safety Towels, Empty 24oz. Dilution Spray Bottles

Food Production: Meat & Poultry Processing Plants & Livestock Farms

Primary Business: Processing meat or poultry products, and/or raising and transporting livestock.

Description of Primary Usage: Simple Green carries A4, A8 and B2 USDA ratings. The combination of these ratings allows the products to be used in virtually all areas of a food processing facility - when followed by a potable water rinse. Cleaning floors, walls, ceilings, pens, & stalls @ 10:1 with Crystal (7:1 with original Simple Green for added deodorizing); Cleaning floor-mats @ 30:1 with Crystal in pressure washer; Parts washing @ 4:1 with Crystal. Cleaning restroom fixtures and brushed/stainless steel food locker doors @ full-strength with

Lime Scale Remover. Manure deodorizing @ 1:1 with Simple Green sprayed or foamed over area for vapor suppression.

Additional Products: 30-gallon Parts Washer, Foamer, Empty 24oz. Dilution Spray Bottles

Food Service: Restaurants

Primary Business: Preparation, serving, and storage of food.

Description of Primary Usage: Cleaning floors, walls, ceilings, floor mats @ 10:1 with Crystal (7:1 with original Simple Green for added deodorizing); Cleaning restroom fixtures and brushed/stainless-steel food locker doors @ full-strength with Lime Scale Remover. Cleaning garbage disposals, grease filters and drains @ 1:1 with Simple Green.

Additional Products: Proportioner, Foamer, Empty 24 oz. Spray Bottle

Grounds Maintenance

Primary Business: Maintenance of parks, golf courses, public & private grounds, and maintenance of tools & equipment used.

Description of Primary Usage: Steam-cleaning mowers @ 30:1 with Crystal; Parts washing @ 4:1 with Crystal. Pressure-wash concrete, brick and stone walkways & parking lots @ 15:1 with original Simple Green (@ 20:1 if using Crystal). Railings and fences @ 30:1 with Simple Green.

Additional Products: 60-gallon Parts Washer, Proportioner, Safety Towels, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Health Club / Spa

(See Multi-Industry Application Areas)

Highway & Streets Maintenance

Primary Business: Maintaining public thoroughfares, signs, turnstiles and maintaining equipment & vehicles.

Description of Primary Usage: Fleet maintenance (exteriors) @ 40:1 with Crystal using steam-cleaner; Parts washing @ 4:1 with Crystal. Cleaning shop floors, walls and tools @ 10:1 with Crystal.

Additional Products: 60-gallon Parts Washer, Proportioner, Safety Towels, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

HVAC

Primary Business: Installation and repair of heating, cooling and air handling systems.

Description of Primary Usage: Clean evaporator coils @ 1:1 to 5:1 with Crystal , lightly agitate with a brush, let sit no longer than 5 minutes and rinse thoroughly. Clean condensate drain line @ 5:1 with Crystal. Remove scale buildup on coils and vents @ full-strength with Simple Green Lime Scale Remover.

Additional Products: Safety Towels, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Jewelry and Gemstones

Primary Business: Creation and repair of jewelry and gemstones.

Description of Primary Usage: Clean gold, silver, platinum and hard stones @ 1:1 with Simple Green. DO NOT USE on pearls, opals and other porous stones, or on jewelry with black painted or oxidized decorative etching.

Lodging: Hotels & Motels

Primary Business: short term lodging for people, often times restaurants.

Description of Primary Usage: See *Multi-Industry Application Areas* for restrooms, health facility, public areas, vending machines, carpet and upholstery; See also *Food Service: Restaurants* and *Grounds Maintenance*. During the cleaning process, Simple Green deodorizes lingering pet, food and smoke odors. Elevator & escalator maintenance @ 5:1 with Crystal. Walls, window sills, baseboards, blinds and patio furniture @ 30:1 with Simple Green. Clean and deodorize garbage cans @ 10:1 with Simple Green.

Additional Products: 30-gallon Parts Washer for equipment maintenance, Safety Towels, Empty 24oz. Dilution Spray Bottles

Lumber & Wood Products: Mills and Manufacturing

Primary Business: Sawing wood, chipping wood, creating pulp, pressing paper.

Description of Primary Usage: Removing pitch from saw blades @ 1:1 with Crystal; Parts washing @ 4:1 with Crystal; Cleaning concrete floors @ 20:1 with Crystal; Cleaning machinery cabinets @ 10:1 with Crystal. Cleaning & Cleaning restroom fixtures with Lime Scale Remover (ready to use).

Additional Products: 60-gallon Parts Washer, Proportioner, Safety Towels, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Machining & Metalworking

Primary Business: Cutting, grinding, bending, de-burring and plating of metals.

Description of Primary Usage: Removing fabricating and machining oils @ 50:1 with Crystal or original Simple Green (rust inhibitor, such as Rust Lick or WD 40, may need to be reapplied after cleaning); Cleaning outside of equipment @ 10:1 with Crystal; Parts washing @ 4:1 with Crystal; Cleaning shop floors, walls, counters @ 10:1 with Crystal.

Additional Products: 30- or 60-gallon Parts Washer, Proportioner, Foamer, Safety Towels, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Manufacturing & Repair: Various Equipment and Products

(also see Machining & Metalworking and Plastics)

Primary Business: Production and/or repair of mechanical equipment in a variety of manufacturing industries.

Description of Primary Usage: Dip-tank parts cleaning @ 5:1 with Crystal; Parts washing @ 4:1 with Crystal; Maintenance and MRO of general equipment and facility @ 20:1 with Crystal; Cleaning conveyor systems @ 20:1 with Crystal. Cleaning of hands with Safety Towels or Hand Cleaner Gel.

Additional Products: 30-gallon Parts Washer, Proportioner, Foamer, Empty 24oz. Dilution Spray Bottles

Mining

Primary Business: Removal of minerals from below ground (shaft mining/strip mining), equipment maintenance.

Description of Primary Usage: Parts washing @ 4:1 with Crystal; Equipment (earth-movers, conveyor systems, elevator equipment, forklifts, truck fleets) and other exterior maintenance @ 50:1 with Crystal in steam cleaner or @ 30:1 with Crystal in a pressure washer; Cleaning shop floors @ 15:1 with Crystal.

Additional Products: 60-gallon Parts Washer, Proportioner, Foamer, Safety Towels, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Multi-Industry Application Areas:

Machine Carpet Cleaning: Hot-water extraction or steam machines — test on inconspicuous area first; spot clean heavily soiled or spotted areas with Crystal or Carpet Cleaner @ 1:1; Follow machine manufacturer's directions and use either Crystal @ 20:1 or Simple Green Carpet Cleaner @ 3 oz. to every 1 gallon of water.

Carpet & Upholstery: Wet spot with plain water, spray spot with either Simple Green Carpet Cleaner or Crystal @ 1:1, blot with clean, white cloth or paper towels and clean water.

Grounds Maintenance: Parking structure, walkway & driveway maintenance @ 20:1 with Crystal using a pressure washer; Spot-treating oil spills on concrete/asphalt using a bucket and shop-broom or scrub brush @ 5:1 with Crystal.

Laundry: Pre-wash soak @ 30:1 with Simple Green. For spots and stains, thoroughly wet fabric with water. Spray 1:1 Simple Green. Rub fabric against itself. Wash immediately. Laundry Full Load- add ¼ cup of original Simple Green with half of regular detergent into water filled wash basin.

Floors, Floor Scrubbers, Stripping Floor Wax: Clean vinyl, tile, linoleum, wood and terrazzo floors @ 50:1 with Simple Green. Floor wax removal @ 8:1 with hot water and Simple Green, let mixture set 10 minutes then scrub and rinse. Clean concrete and brick floors @ 1:1 with Simple Green.

Municipal

(see *Transportation: Fleet Maintenance, Railways, Subways; Sanitation Waste Haulers, Recycling, Landfill; Highway & Streets Maintenance; Grounds Maintenance and Multi-Industry Application Areas*)

Oil & Fuel Production: Drilling (On & Offshore)

Primary Business: Removing crude oil from deposits beneath the earth and transporting to refineries.

Description of Primary Usage: Dry or wet cleaning drill rigs, platforms, rails, pumps, pulleys, storage tanks etc. with Rig Wash; Parts washing @ 4:1 with Crystal; Pressure-washing @ 30:1 with Crystal. Cleaning & Cleaning tools and hands with Safety Towels or Hand Cleaner Gel.

Additional Products: 60-gallon Parts Washer, Proportioner, Foamer, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Oil & Fuel Production: Refining

Primary Business: Cracking crude oil and separating it into various grades of solvents, fuels and lubricants. Blending and packaging of these various products.

Description of Primary Usage: Parts washing @ 4:1 with Crystal; General refinery maintenance (cleaning exteriors of pipelines, pumps, vats, equipment, etc.) @ 15:1 with Crystal (spray/mop/wipe) and 30:1 with Crystal using pressure-washer; Cleaning protective suits and breathing apparatus @ 10:1 with Crystal or Simple Green. Cleaning piping @ 1:1 with Simple Green.

Additional Products: 60-gallon Parts Washer, Proportioner, Foamer, Safety Towels, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Painting Contractor, Commercial Painting, Paint Prep

Primary Business: Commercial painting / interior & exterior, paint prep in other manufacturing businesses.

Description of Primary Usage: Parts washing and cleaning maintenance of spray equipment & brushes @ 4:1 with Crystal; Pre-cleaning surfaces to paint @ 20:1 with Crystal (typically applied with Hudson-type sprayer & rinsed with clean water); Pre-cleaning siding, stucco, brick or block exteriors @ 30:1 with Crystal; Post paint cleaning of carpets @20:1 with Simple Green Carpet Cleaner.

Chelation / Lead Dust Removal: Simple Green has been used to wash down windowsills, baseboards, walls and trim that have been painted with lead paint and which then, with age, put off dust and/or chips containing lead. To clean and remove lead dust, use mixture of 10:1 Simple Green or Crystal, and wash as usual.

Additional Products: 60-gallon Parts Washer, Proportioner, Cleaning hands with Safety Towels or Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Pharmaceutical & Cosmetics Manufacturing

Primary Business: Blending and packaging of medicines, personal hygiene and cosmetics products.

Description of Primary Usage: Crystal Simple Green carries A4, A8 and B2 USDA ratings. Cleaning still dip tanks, ultrasonic tanks and sonic tanks @ 10:1 with Crystal. Vat cleaning @ 3:1 with Crystal; Parts washing @ 4:1 with Crystal; Pressure washing of vats, kettles and mixing tanks @ 40:1 with Crystal Simple Green. Cleaning facility floors and conveyor systems @ 20:1 with Crystal.

Additional Products: 30-gallon Parts Washer, Proportioner, Foamer, Lime Scale Remover (stainless steel vat exteriors), Empty 24oz. Dilution Spray Bottles

Plastics Moulding & Extrusion

Primary Business: Melting and shaping of plastics.

Description of Primary Usage: Parts washing @ 4:1 with Crystal; Cleaning of extrusion equipment @ 5:1 with Crystal; Cleaning of moulded

and extruded parts @ 20:1 with Crystal; Cleaning shop floors @ 20:1 with Crystal.

Additional Products: 60-gallon Parts Washer, Proportioner, Safety Towels, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Printing and Publishing

Primary Business: Printing and production of periodicals, newspapers, books and other paper materials.

Description of Primary Usage: Ink removal from rollers, plates, surrounding walls, floors and other equipment at 5:1 with Crystal, some inks require 2:1; Parts washing and cleaning maintenance of equipment @ 4:1 with Crystal; Removal of inks, oils and other dirt from hands with Safety Towels.

Additional Products: 30 gallon parts washer, Proportioner, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Sanitation Waste Haulers, Recycling, Landfill

Primary Business: Collection and disposal of refuse, and/or hazardous waste.

Description of Primary Usage: Pressure-washing trucks and collection bins @ 10:1 with Simple Green; Parts washing @ 4:1 with Crystal; Cleaning concrete shop floors and walls @ 20:1 with Crystal.

Additional Products: 60-gallon Parts Washer, Proportioner, Foamer, Safety Towels, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Sewage Treatment

Primary Business: Processing and treatment of fluid sewage at treatment facilities.

Description of Primary Usage: Clean greasy buildup in lift stations, junction boxes and other operating equipment @ 1:1 with Simple Green. Add Simple Green @ 5:1 over the surface of a sewage tub, 3 to 4 times a day. Leave undisturbed for approximately 1 hour, then agitate by a high pressure water stream.

Additional Products: Safety Towels, Hand Cleaner Gel

Schools & Daycare Centers

Primary Business: Education and care of children of all ages.

Description of Primary Usage: Cleaning floors, furniture, countertops, appliances, playground equipment @ 30:1 with Simple Green; Carpet cleaning - including hot-water extraction or steam machines - use either Crystal @ 20:1 or Simple Green Carpet Cleaner @ 3 oz. to every 1 gal. of water; Spot & stain treatment on carpet or upholstery - see directions under *Multi Industry-Application Areas* ; Laundry pre-wash @ 30:1 with Simple Green; Laundry Full Load - add ¼ cup of original Simple Green with half of regular detergent into water filled wash basin. (See also *Grounds Maintenance*)

Additional Products: Lime Scale Remover, if necessary , Scrubbing Pad, Safety Towels, Empty 24oz. Dilution Spray Bottles

Steel and Metals Production

Primary Business: Smelting of ores, removal of contaminants, and forming pipe, rod & bar (extrusion), sheet (rolling), or specialized forms (pouring/moulding).

Description of Primary Usage: Large volume dip tank cleaning @ 10:1 with Crystal; Parts washing @ 4:1 with Crystal; Cleaning production-house floors @ 20:1 with Crystal in tenant-style machine;

Additional Products: 60-gallon Parts Washer, Proportioner, Foamer, Safety Towels, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Textile Manufacturing

Primary Business: Manufacturing cloth / knitting, dyeing, and assembly.

Description of Primary Usage: General facility (walls, folding tables, cloth bins, etc.) and equipment maintenance @ 10:1 with Crystal; Cleaning concrete floors @ 20:1 with Crystal in tenant machine; Parts washing @ 4:1 with Crystal.

Additional Products: 60-gallon Parts Washer (be sure to order extra pre-filters to catch cloth-fibers that adhere to parts and can clog pump), Proportioner, Foamer, Safety Towels, Empty 24oz. Dilution Spray Bottles

Transportation: Fleet Maintenance, Trucking, Buses, and Van Lines

Primary Business: Trucking services, van lines, charter bus services, vehicle fleets - maintaining vehicles.

Description of Primary Usage: Parts washing @ 4:1 with Crystal; Pressure-washing truck/bus/vehicle exteriors @ 30:1 with Crystal; Cleaning interior upholstery and carpets @ 30:1 with Simple Green Carpet Cleaner; Cleaning shop floors, service bays & hydraulic lifts @ 10:1 with Crystal using Foamer. Engine degreasing @ 1:1 with Simple Green.

Additional Products: 60-gallon Parts Washer, Proportioner, Foamer, Lime Scale Remover (for brushed steel & aluminum exteriors in hard-water areas), Safety Towels, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Transportation: Marine Boats, Fleets & Cruise Lines

Primary Business: Ocean transport of goods or people.

Description of Primary Usage:

Boats & Transport Fleets: Bulkhead/bilge cleaning with Crystal @ 10:1 (dilution depends on viscosity & properties of material being cleaned out); Deck cleaning @ 15:1 with Crystal; Engine & equipment maintenance cleaning @ 5:1 with Crystal; Parts washing @ 2:1 with Crystal. Cleaning fiberglass @ 10:1 with Simple Green. Simple Green is an alternative to high phosphate laundry soaps when ship is out at sea.

Cruise Lines: See above for various uses. Cleaning decks & lounge chairs @ 15:1 with Crystal; Cabin housekeeping (see *Building Maintenance* and *Multi-Industry Application Areas*). Simple Green and Crystal Simple Green can be used in conjunction with (not mixed with) chlorine bleach when bleach is used for control of Norwalk and other shipboard illnesses.

Additional Products: 60-gallon Parts Washer, Proportioner, Safety Towels, Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Transportation: Railways & Subways

Primary Business: Rail transit of goods and people.

Description of Primary Usage: Parts washing @ 4:1 with Crystal; Pressure washing car exteriors @ 30:1 with Crystal; Cleaning interior seats, walls and floors @ 30:1 with Crystal; Cleaning steel and aluminum cars & fixtures in hard-water areas with Lime Scale Remover (ready to use).

Additional Products: 60-gallon Parts Washer, Proportioner, Foamer, Safety Towels Hand Cleaner Gel, Empty 24oz. Dilution Spray Bottles

Utilities: Nuclear, Electric, Telephone, Gas, Cable Television

Primary Business: Provision of utility services and maintenance of utility delivery systems/equipment.

Description of Primary Usage: Parts washing @ 4:1 with Crystal; Pressure washing of service vehicle exteriors and lift equipment @ 50:1 with Crystal; Cleaning shop floors, walls and counters @ 10:1 with Crystal; Cleaning hands while in the field with Safety Towels or Hand Cleaner Gel.

Additional Products: 60-gallon Parts Washer, Proportioner, Foamer, Lime Scale Remover for removing scale build-up in hard water areas, Empty 24oz. Dilution Spray Bottles