

GALE FORCE™

High Foaming Alkaline Detergent for Food Plants

Super strength alkaline detergent dissolves the toughest deposits of protein, carbon, oils, grease and food soils. High foaming for improved contact time and cleaning performance on vertical surfaces. Excellent for use with foaming equipment, pressure washers, floor scrubbers, manual cleaning processes, and tank and soak cleaning operations. Formulated to provide powerful cleaning in food plants, dairies, beverage plants, breweries, smokehouses, meat and poultry plants, and many other operations requiring exceptional performance. Contains a powerful blend of alkalis and surfactants for unsurpassed penetration and removal of stubborn soils. Avoid use on aluminum, galvanized metals, tin, pewter or painted surfaces.

Directions for Use

Foam Cleaning: Dilute this product at 2-12 ounces per gallon of hot water depending on the amount and type of soil to be removed. Follow manufacturer's instructions for using foam generating equipment. Apply foam solution to walls, floors, equipment and other surfaces to be cleaned. Allow foam to remain for 5-10 minutes to penetrate and dissolve soils. Do not allow foam to dry on surfaces; reapply as necessary to keep surfaces wet. Scrub with a nylon pad or brush to improve soil removal, particularly stubborn deposits. Rinse thoroughly with high pressure potable water.

Pressure Washing: Apply a solution of 2-12 ounces per gallon of water depending on the amount and type of soil to be removed. Follow manufacturer's instructions for using pressure washing equipment. Do not prewet surfaces with water. Apply detergent solution to dry surfaces, at low pressure, to walls, floors, equipment and other surfaces to be cleaned. Allow solution to remain for 5-10 minutes to penetrate and dissolve soils. Do not allow detergent to dry on surfaces; reapply as necessary to keep surfaces wet. Scrub with a nylon pad or brush to improve soil removal, particularly stubborn deposits. Rinse thoroughly with high pressure potable water.

Floor Scrubbers: Dilute 1-2 ounces of this product per gallon of hot water into the machine's solution tank. Follow manufacturer's instructions for using floor scrubbing equipment. Rinse floors with clean water and allow to dry before reuse.

Manual Cleaning: Dilute 1-6 ounces of this product per gallon of hot water in a mop bucket. Apply solution to surfaces to be cleaned using a mop or sponge. Allow 3-5 minutes contact time to penetrate and dissolve soils. Scrub with a nylon pad or brush to improve soil removal, particularly stubborn deposits. Rinse with clean water and allow to dry before reuse.

Tank and Fryer Cleaning: Drain tank, fryer or vessel to remove food residue and debris. Fill with a solution of 4-16 ounces of this product per gallon of hot water. Heat solution in tank to 180°F. Agitate or mix solution for 5-30 minutes as needed to loosen and remove soils. Do not close, seal or pressurize the tank being cleaned. Monitor the cleaning process constantly to assure the solution does not overheat and boil over. When agitation is complete, allow solution to remain in tank for 10-20 more minutes. Drain tank and scrub any remaining soil deposits with a nylon pad or brush. Neutralize with vinegar or a mild acid solution. Drain again and rinse with potable water.

Soak and Immersion Cleaning: To clean stainless steel equipment, machinery, utensils, parts, and other similar sized food processing items, pre-clean or prespray items to remove heavy soils. Immerse items in a solution of 4-8 ounces of this product per gallon of hot water. Heat solution to 120°F. Allow items to soak for 30-60 minutes depending on the type and amount of soil to be removed. Use circulation or agitation if available to improve cleaning performance. Remove items and rinse thoroughly with potable water.

Smokehouses and Ovens: Heat smokehouse or oven to approximately 120°F. Use this product at full strength or diluted up to 1:1 (64 oz/gal) with warm water. Apply solution liberally to all interior surfaces with pressure washing equipment (at low pressure), pump type sprayers or foaming equipment. Allow at least 1 hour contact time to penetrate and loosen soils. Scrub surfaces with a nylon pad or brush to remove stubborn grease and soil deposits. Flush surfaces with vinegar or mild acid solution, then rinse completely with potable water.

Safety Reminder

Consult product label and Safety Data Sheet (SDS) before use. SDS's may be downloaded from www.crown-chem.com.



Technical Specifications

Appearance	Brown Liquid
Odor	Characteristic
pH (1% solution, 22°C)	>11.5
Foaming	Very High
Flash Point	None
Bulk Density (lbs/gal, 22°C)	12.13 ±0.1
Stability Range	50-100°F
Free Alkalinity (as Na ₂ O)	Very High
Solubility (in H ₂ O, 22°C)	100%
Phosphate Content (as P)	None

Product Number

93405
93455

Packaging

5 gal. pail
55 gal. drum