



2018

Ecolab Product
Reference Guide

CIP Solutions

	PRODUCT NAME	SIZES
Liquid Alkaline Detergents	Liquid HD-325™	5gl / 15gl / 55gl / 304gl / Bulk
	Liquid-90™	5gl / 15gl / 55gl / 304gl / Bulk
	Principal™	5gl / 15gl / 55gl / 300gl / Bulk
	Cir-Klenz™ II	5gl / 15gl / 55gl / 300gl / Bulk
	Conquest™	15gl / 55gl / 304gl / Bulk
	Ultra™ Plus	5gl / 15gl / 50gl
	Cyclone™ CIP	15gl / 50gl
	Accomplish™	50gl / 275gl
Powdered Alkaline Detergents	Cold-War™	45pnd / 4x25pnd
	Extra™	45pnd / 4x25pnd / 325pnd
	Super-Klenz™	45pnd / 4x25pnd / 325pnd
	HD-325™	45pnd / 4x25pnd / 325pnd
Acid Detergents/Rinses	Perform™	5gl / 15gl / 55gl / 304gl / Bulk
	HD PL-10™ Plus	4x1gl / 15gl / 30gl / 55gl / 304gl / Bulk
	HD Acid PL-10™	4x1gl / 5gl / 15gl
	Envirocid™ Plus	5gl / 15gl / 55gl / 304gl / Bulk
	AC-55-5™	55gl / 304gl / Bulk
	Du-A-Way	5gl / 15gl
Single Phase Acid Cleaners	Envirocid™ SP	15gl / 50gl
Additives	Exelerate® 320	55gl / Bulk
	Foam-Nox™	4x1gl / 55gl / 304gl / Bulk
	Stone Remover™	5gl / 54gl / 304gl / Bulk
	CD-10™	45pnd / 450pnd
	Accomplish™	50gl / 275gl
	Advantis™ LT Activator	55gl / 304gl
Sanitizers	Mandate™	4x1gl / 5gl / 15gl / 55gl / 304gl / Bulk
	Mandate™ Plus	4x1gl / 5gl / 15gl / 55gl / 300gl / Bulk
	Synergex™	14.5gl / 50gl / 304gl
	Vortexx™	4gl / 50gl / 4x50gl
	Oxonia Active™	4.5gl / 50gl
	Octave™ FS	13.75gl / 50gl / 304gl
	Octave™	13.75gl / 50gl / 300gl
	Equipment Sanitizer	4x1gl / 5gl / 15gl / 55gl / 304gl / Bulk
	XY-12®	4x1gl / 55gl / Bulk
	Trichlor-O-Cide® 5600	4x10pnd / 100pnd
Ster-Bac® Quat	4x1gl / 55gl / 300gl	

DESCRIPTION

- A liquid heavy-duty, chlorinated cleaner. Low-foaming and excellent for use in hard water. Fortified with chlorine for effective cleaning.
- A liquid chlorinated alkaline CIP or COP cleaner. No phosphorus.
- A liquid chlorinated alkaline cleaner for circulation, spray and soak cleaning. No phosphorus.
- A premium liquid, chlorinated cleaner with a unique chlorine-stable surfactant formulated for circulation and cleaning of dairy equipment. No phosphorus.
- A non-chlorinated, heavy duty liquid alkaline CIP cleaner with water conditioners.
- A heavy-duty, liquid chlorinated alkaline CIP with a blend of sodium and potassium hydroxide.
- A liquid alkaline cleaner.
- Liquid alkaline cleaner, used for initial cleaning prior to passivation of stainless steel equipment. Used as a degreaser and prevents Orbesal build-up.
- A heavy-duty powdered alkaline formula for multi-temperature mechanical and CIP cleaning of dairy equipment. Low phosphate levels.
- A chlorinated cleaner especially formulated to provide excellent soil removal over a wide range of cleaning conditions. Assures effective clean-up.
- A chlorinated, high-alkaline powdered detergent especially for bulk tank and pipeline washing.
- A heavy-duty, chlorinated cleaner for circulation cleaning of pipelines, bulk tanks and milk transfer systems. Low foaming and excellent for use in hard water. Fortified with chlorine for effective cleaning in all water temps.
- A non-foaming acid detergent formulated for recirculation cleaning of dairy equipment. Penetrates, suspends and rinses away minerals and alkaline soils. When used regularly as an acid rinse, eliminates the need for heavy duty acid wash. Non-corrosive to stainless steel when used as directed.
- A concentrated, non-foaming, tri-blend detergent which helps to remove alkaline films from milking equipment surfaces.
- A concentrated liquid low-foaming acid detergent with a surfactant to help remove film from milking equipment.
- A concentrated nitric/sulfuric/surfactant blended acid cleaner available in Clear or Red. For CIP and COP cleaning of 304/316 stainless steel. No phos, low nitrates.
- A highly concentrated, low-foaming acid detergent with nitric acid.
- A highly concentrated CIP acid product containing a unique blend of citric, phosphoric and nitric acids. Especially effective for difficult to remove mineral stains. Formulated for robotic milking systems.
- A single cycle CIP acid cleaner with a special blend of organic and mineral acids combined with wetting agents and other detergents.
- A non-chlorinated CIP additive for use with alkaline cleaners. Effective in helping to remove cooked-on soils.
- A blend of liquid surfactants with de-foaming and wetting properties. No phosphorus.
- A conditioning additive for use in the alkaline wash step to help remove and prevent mineral stone build-up.
- Powdered, non-chlorinated caustic additive for CIP cleaning. Especially effective for difficult-to-remove milk soils.
- Food grade degreaser, effective for the removal of teat sealant residue.
- Pre-treatment additive that helps remove protein, fat and carbohydrate soils through an oxidative process.
- A patented low-foaming acid sanitizer designed for automated CIP systems. Contains no iodine, chlorine or quats.
- An EPA-registered, low-foam acid sanitizer with antimicrobial efficacy. Low phosphorus.
- An EPA-registered, patented, mixed peracid sanitizer. Active ingredients include peroxyacetic and peroxyoctanoic acid. Acid components include hydrogen peroxide and sulfuric acid. Contains no phosphorus. Includes no-rinse, food contact surface and biofilm claims.
- An EPA-registered, antimicrobial peroxyacetic acid sanitizer that delivers antimicrobial activity on *Candida albicans* (pathogenic yeast), mold, bacteria, and against a wide range of microorganisms as listed on the product label.
- An EPA-registered peroxyacetic acid, antimicrobial agent with broad sanitizing applications as listed on the label. For sterilization of manufacturing, filling and packaging equipment in aseptic processes.
- An EPA-registered peroxyoctanoic acid for use as an antimicrobial in a variety of sanitizing and disinfection applications. EPA Reg. No. 1677-209.
- An EPA-registered low-foam peroxyoctanoic acid antimicrobial used in multiple sanitizing applications, as listed on the product label.
- An EPA-registered, multi-use (as listed on the label) liquid, sodium hypochlorite sanitizer.
- An EPA-registered, liquid, sodium hypochlorite sanitizer.
- An EPA-registered, powdered, chlorinated sanitizer.
- An EPA-registered, liquid quaternary ammonium sanitizer. No phosphorus.

Animal Hygiene

	PRODUCT NAME	SIZES
Iodine Teat Dip Concentrate	Legend S.A.™ Concentrate	15gl / 55gl
Iodine Teat Dip Ready-To-Use	I-Deal™	5gl / 15gl / 55gl / 304gl
	Eco-Plus 100 S.A.™	15gl / 55gl / Bulk
	Eco-Plus 50 S.A.™	5gl / 15gl / 55gl / Bulk
LAS (Non-Iodine) Teat Dip Concentrate	Ultimate™ PD Concentrate	1.5gl / 15gl / 55gl / 304gl
Specialty	Ultimate™ Dip Additive	15gl / 55gl
	Ultimate™ Spray Additive	15gl / 55gl / 304gl
Hydrogen Peroxide Ready-To-Use	Oxy-Gard™	5gl / 15gl / 55gl
	Oxy-Gard™ M	15gl / 55gl / 275gl
	Pur-Oxy™	15gl / 55gl
Heptanoic Acid Ready-To-Use	Cynergy™ Pre-Post	5gl / 15gl / 55gl / 275gl
	Cynergy™ Barrier	5gl / 15gl / 55gl / 275gl
	Artec®	5gl / 15gl / 55gl
Bronopol Teat Dip	Remain Gold™	15gl / 55gl / 304gl
	Remain Silver™	55gl / 304gl
Teat Brush Wash	EBC-100 & 200 (Exelerate™ Brush Cleaner)	55gl

DESCRIPTION

When properly diluted this concentrate provides a .25 - 1% (2,500 - 10,000 ppm) iodine teat dip that contains an 2 - 10% emollient system to help ensure skin conditioning and germicidal activity.

A unique germicidal 1% (10,000 ppm) iodine teat dip that forms a protective barrier. Helps control mastitis causing bacterial organisms by delivering broad spectrum antimicrobial protection after dipping. Contains 1% iodine and 10% emollient with glycerin, and is NPE-free. Passes AOAC Germicidal and Detergent Sanitizer test with a greater than 99.99% reduction in *Staphylococcus aureus* and *E.coli* organisms. Ready-to-use and no phosphorus.

A 1% (10,000 ppm) iodophor teat dip/spray containing a wetting agent and 10% emollient system to help ensure adequate coverage and maximum germicidal activity. Contains 1% titratable iodine for visual proof of coverage. Equally effective against both infectious mastitis organisms and environmental types such as *E.coli*. No phosphorus.

A .5% (5,000 ppm) iodophor teat dip/spray containing a wetting agent and 5% emollient system to help ensure adequate coverage and maximum germicidal activity. Contains .5% titratable iodine for visual proof of coverage. Equally effective against both infectious mastitis organisms and environmental types such as *E.coli*. No phosphorus.

When properly diluted, this non-iodine teat dip provides a blend of lactic acid and linear alkylate sulfonates. It delivers fast, broad-spectrum germicidal activity and excellent cleaning of teats prior to milking.

A unique non-iodine teat dip additive that together with Ultimate PD Concentrate makes a unique teat dip with excellent skin conditioning properties.

A unique non-iodine teat spray additive that together with Ultimate PD Concentrate provides excellent skin conditioning properties.

A patent-pending peroxide-based teat dip that provides fast, broad-spectrum germicidal activity before and after milking. Effective against infectious mastitis organisms like *E.coli*. Cost effective formula with no iodine. Spray or dip.

A unique, patented peroxide-based teat dip that provides fast, broad spectrum germicidal activity before and after milking. Effective against infectious mastitis organisms such as *E.coli*. Contains a marking agent to confirm product application. Dip or spray. No phosphorus.

A unique peroxide-based teat dip that provides fast, broad-spectrum germicidal activity, both before and after milking. Similar to Oxy-Gard, without the coloring.

A unique fatty-acid based teat dip that provides protection against mastitis causing pathogens. Contains a blend of emollients for excellent teat conditioning with 0.7% heptanoic acid to provide superior efficacy without the harsh drying effect encountered with iodophor-based teat dips. No phosphorus.

A unique fatty-acid based teat dip that provides a protective barrier with a blend of emollients for excellent teat conditioning. Contains 0.7% heptanoic acid for superior efficacy without a harsh drying effect. Passes the AOAC sanitizer test and equally effective against contagious and environmental mastitis organisms. All-season formula with a teat marking system. No phosphorus.

A unique, patented fatty-acid based teat dip that aids in reducing the spread of mastitis spreading organisms. All-season 78% emollient system formula includes propylene glycol, glycerin and lanolin for year-round protection and teat conditioning. Contains a teat marking system for visual proof of coverage. No phosphorus.

A unique no-drip bronopol-based teat dip that provides a protective barrier on the teat. Provides a blend of emollients for excellent teat conditioning.

A less-viscous version of Remain Gold.

A two-part chlorine dioxide brush wash program.

Animal Hygiene

	PRODUCT NAME	SIZE
Specialty	T-Hexx® Dry	6 x 1 quart case
	Bac-Drop™ Udder Wash	4x1gl / 5gl / 15gl
	Bac-Flush™ Iodine Cleaner	15gl / 55gl
	Monodine™ Udder Wash	4x1gl / 5gl / 15gl / 55gl
	Chore Mate X-tra	4x1gl / 15gl / 55gl
	Iodine-Klene	4x1gl
	Aero-Max™ Insecticide	55gl
Calf Products	Hydrafeed™	8 x (16 x 100g)
	Sani-bed™	55pnd
Hoof Hygiene	Oxy-Sept® 333	4-96oz
	Less-CU™	15gl / 55gl

DESCRIPTION

External teat sealant designed for use on dairy cows during the dry and pre-calving periods. Aids in the prevention of mastitis infections caused by bacterial migration into the teat canal with a clean seal over the teat end. The germicidal power and barrier capacity blocks organisms including mycoplasma, *S. aureus* and *S. agalactiae*.

A concentrated non-iodine udder wash that provides excellent detergency to aid in udder cleaning. Same usage rate as iodine udder washes and eliminates many problems associated with iodine washes such as odor, staining and potential iodine contamination of milk.

A concentrated, iodine-based cleaner with 3.68% titratable iodine - 1 fl oz in 13 gallons of water provides 25 ppm iodine. Contains NPE.

A broad spectrum detergent sanitizer that contains iodine for bacteria control. Excellent detergency and free, clear rinsing. Gentle on skin tissues. Contains NPE.

A blend of emollients designed for use on-farm to enhance the conditioning nature of teat dips during challenging weather conditions.

An iodine-based cleaner. Formerly Mikroklene™ DF.

A 1% Pyretherin and 1% Piperonyl Butoxide (PBO) spray for general fly control in cattle housing.

Effervescent electrolyte formula for dehydrated and stressed calves.

Bedding additive that inhibits bacterial growth and helps prevent the growth of mastitis-causing organisms.

An EPA-registered antimicrobial disinfectant used in animal housing facilities. Formulated for soil penetration and disinfecting, its effectiveness is based on a stabilized peroxyacetic acid formula. Tolerates a wide range of water conditions and stands up to heavy organic loads like mud, manure and urine. Active ingredients breakdown into water, oxygen and acetic acid and can be discharged down the drain after use.

A unique, liquid livestock foot bath cleaning additive for dairy livestock, it's effectiveness is based on a stabilized quat and phosphoric acid combination. Saves money by reducing the amount of copper sulfate needed in a foot bath by up to 50% and decreases quenching action of typical copper sulfate solutions. Not for use as a sanitizer or disinfectant in livestock foot baths.

General Cleaning Solutions

	PRODUCT NAME	SIZE
pH Neutral Detergents	Liquid-K™	4x1gl / 5gl / 55gl
	Liquid Sep-ko™	4x1gl
	Scrub All™	55gl / 304gl / Bulk
Alkaline Detergents	Enforce™ LP	5gl / 55gl / 304gl / Bulk
	Advantis™ FC	55gl / 304gl / Bulk
	Advantis™ Soft Metal FC	5gl / 55gl / 304gl / Bulk
	HC-10 Chlorinated Kleer-Mor®	35pnd / 4x10pnd / 50.5pnd / 100pnd / 450pnd
	2171 General Cleaner	50.5pnd / 425pnd
Acid Detergents	Foam-Shine™	55gl / 300gl
	Heavy Duty Acid LC-30	4x1gl / 53gl

Environmental Cleaning Solutions

Premise Disinfecting	Oxy-Sept® 333	4-96oz
	Ster-Bac™	4x1gl / 55gl / 300gl
	Indicon™ Gel	4x1gl / 8x14.5oz
	Boost™ Surface Treatment	100pnd / 400pnd
	Boost™ 3200/3201	5gl / 55gl
	Boost™ 3201 SM (soft metal)	5gl / 55gl
	Octave™ FS	13.75gl / 50gl / 304gl
	DrySan™ Duo	12x32oz / 5gl / 50gl
Laundry	Chore Mate Laundry Detergent (powder)	30pnd / 100pnd / 325pnd
	Liquid Lustersuds™	4x1gl / 15gl / 55gl
	Oxy-Brite®	5gl / 15gl / 55gl
Bare Hand Hygiene	EcoCare™ Program	Numerous sizes available
	NEXA™ Classic Manual Dispenser	1 pack or 8 pack, requires 4x1250 mL or 4x1200 mL sizes
	NEXA™ Sanitizer Station	Units sold individually

DESCRIPTION

Liquid, non-chlorinated manual general cleaner.

Liquid, non-chlorinated manual general cleaner.

A nearly neutral general purpose cleaner formulated to effectively dissolve and lift grease and other animal soils. Suited for equipment, wall and floors.

A self-foaming, chlorinated, sodium hydroxide-based alkaline spray cleaner for stainless steel processing equipment and environmental surfaces.

High foaming, chlorinated alkaline cleaner for use with reduced temperature water, as low as 105 - 110°F (40 - 43°C). Used for pre-rinsing, foaming with Advantis FC and post-rinsing. Improves cleaning performance on farms that cannot achieve or maintain high water temperatures through a full wash.

Self-foaming, chlorinated alkaline spray cleaner for reduced temperature cleaning of soft metal, stainless steel equipment and environmental surfaces.

A chlorinated, powdered, alkaline cleaner for manual cleaning.

A powdered, non-chlorinated, alkaline general cleaner for manual cleaning. Works in most water conditions. Use on metal, plastic and painted surfaces.

A liquid self-foaming dual blended acid cleaner for manual and foam cleaning applications.

An inorganic acid cleaner with wetting agents to neutralize and remove heat-hardened deposits.

An EPA-registered antimicrobial disinfectant used in animal housing facilities. Formulated for soil penetration and disinfecting, its effectiveness is based on a stabilized peroxyacetic acid formula. Tolerant of a wide range of water conditions and stands up to heavy organic loads like mud, manure and urine. Active ingredients break down in to water, oxygen and acetic acid and can be discharged down the drain after use.

An EPA-registered, liquid quaternary ammonium sanitizer. No phosphorus.

A rapid biological hygiene indicator specifically designed to detect the presence of biofilm on a surface. When the product encounters biofilm, it rapidly produces white micro-bubbles within 2 minutes, providing a quick visual indicator of potential harborage niches. Indicon Gel is not meant to replace routine microbial monitoring. This is a cost-effective, quick visual indication of the presence of biofilm on a surface.

Powdered floor and entryway treatment product that will be replacing Boost FT. This product offers improved safety performance, reducing the dustiness of the product, has an improved HMIS safety profile and will now contain a blue color to easily distinguish the product from food products. Specific label claims for Foot Pan have also been added to the label.

Two-part solution for disinfecting food processing equipment and hard surfaces. Removes and controls biofilms in floor drain systems (use not approved in CA). No phosphorus.

A soft metal safe activator that facilitates the use of Boost 3200 or Boost 3200 CIP on aluminum surfaces.

An EPA-registered peroxyoctanoic acid for use as an antimicrobial in various sanitizing and disinfection applications. EPA Reg. No. 1677-209.

DrySan™ Duo is a ready-to-use, two-step cleaner and sanitizer for use on hard, non-porous food contact and non-food contact surfaces that is especially beneficial for use in low moisture or dry environments.

A powerful powdered detergent formulated for heavy soil loads, yet gentle under normal conditions.

Concentrated heavy-duty liquid laundry detergent. Contains whiteners and soil dispersant for cleaning cow prep towels.

Removes stains on all washable fabrics and helps prolong life by minimizing sensile strength loss due to chlorine retention. Use when chlorine bleach is not desired, particularly on colored fabric. No phosphorus.

An FDA approved line of antibacterial hand soaps and hand sanitizers:

EcoCare 250 - Liquid antibacterial hand soap (Triclosan)

EcoCare 275 - Foaming antibacterial hand soap (PCMX)

EcoCare 350 - Isopropyl alcohol based hand sanitizer

EcoCare 360 - Quaternary based hand sanitizer

Hand care dispensers, available in black or white.

Stand-alone, hand sanitizer stand for non-production areas. Comes with a touch-free dispenser.

M1 Program Information

	PRODUCT NAME	SIZE	DESCRIPTION
Iodine Teat Dip Concentrate	Eco-Gard S.A.™ Concentrate	55gl / 300gl / Bulk	<p>When properly diluted this concentrate provides a .25 - 1% (2500-10,000 ppm) iodine teat dip that contains an 0.5 - 2.5% emollient system to help ensure skin conditioning and germicidal activity.</p> <p>Concentrate can be blended into 1/4%, 1/2%, 3/4%, or a 1% ready-to-use teat dip/spray. User must comply with protocol listed in the GMP Teat Dip Manual.</p>
	Eco-Plus S.A.™ Concentrate	55gl / 300gl / Bulk	<p>When properly diluted this concentrate provides a .25 - 1% (2,500 - 10,000 ppm) iodine teat dip that contains an 2 - 10% emollient system to help ensure skin conditioning and germicidal activity.</p> <p>Concentrate can be blended into 1/4%, 1/2%, 3/4%, or a 1% ready-to-use teat dip/spray. Must comply with protocol listed in the GMP Teat Dip Manual.</p>
LAS (Non-Iodine) Teat Dip Concentrate	Prep-San Ultra Concentrate	15gl / 55gl / 304gl	<p>When properly diluted, this patent pending non-iodine concentrate containing a blend of lactic acid and linear alkylate sulfonates provide fast broad spectrum germicidal activity and excellent cleaning of teats prior to milking.</p> <p>Concentrate is blended into ready-to-use Prep-San Ultra.</p>
LAS (Non-Iodine) Teat Dip Additives	Ultimate™ Dip Additive	15gl / 55gl	A unique non-iodine teat dip additive that together with Ultimate PD Concentrate makes a unique, non-iodine teat dip with excellent skin conditioning properties.
	Ultimate™ Spray Additive	15gl / 55gl / 304gl	A unique non-iodine teat spray or dip additive that together with Ultimate PD Concentrate makes a unique, non-iodine teat spray or dip with excellent skin conditioning properties.

Equipment Information

	PRODUCT NAME	SIZE	DESCRIPTION
CIP Wash Controller		PREDATOR	A flexible CIP control platform.
Teat Dip Dosing/Dispensing System		Tru-Feed M1™ Teat Dip Allocator	A weight-based teat dip blending system.
		Udder Health Formulator™ UHF System	Fully-programmable teat dip blending system. Can be used with products that require on-farm blending. Configured with 2 - 4 pumps.
		HydroBlend® Teat Dip Dispensing System (f.k.a. Crown™)	Fixed-ratio (1:3 or 1:9) teat dip blending system for iodine concentrates or Ultimate PD. Versions include 10oz (for 1:9 dilution) or 45oz (for 1:3 dilution).
		ParlorMaster™ (HydroSystems)	Advanced teat dip concentrate mixing station for medium or large dairies. Contains 1 aspirator and has a max dilution ration of 1:3.
		AccuPro™ (HydroSystems)	Teat dip concentrate mixing station smaller dairies or hospital barns. Contains 1 aspirator and has a max dilution ration of 1:3.
Brush Wash		PULI-SYSTEM™ F60 Teat Scrubber	Complete teat scrubber program designed to wash, massage, disinfect and dry teats prior to milking.

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ECOLAB WORLDWIDE HEADQUARTERS
1 Ecolab Place
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