



Critical Environment Solutions Ltd

**Cleanroom &
Critical Control
Disinfection & Handcare
Catalogue 2010**



Servicing **Critical Environments** to a **Higher Standard**

Sporicides, Disinfectants, Alcohols & Cleaners

The Steris range of liquids consists of various solutions to meet the cleaning and disinfection of clean and aseptic environments. Manufactured especially for cleanroom use in FDA approved facilities the range includes Sporicides, rotational disinfectants, cleaners and alcohols (sanitisers) and are available in ready to use, concentrate, or "unit dose" formats. Full technical support, validation and test data can be provided. Material Safety Data Sheets (MSDS) and a certificate of analysis and irradiation (where applicable) are supplied with each lot.

Product Range Overview

Spor-Klenz: A ready to use sporicidal agent. Can be used as a third liquid and for when microbial counts may reach an "alert level".

Environ LpH: A non-alkaline phenolic cleaner/disinfectant also available in **sterile** formats.

Environ Vesphene II: An alkaline phenolic cleaner/disinfectant also available in **sterile** formats.

The Environ LpH and Vesphene are ideal for use as a pair in a disinfectant rotation programme.

Septihol: **Gamma irradiated** 70% Isopropyl Alcohol ideal for the sanitising of critical areas.

Primasol: A foamed ethyl alcohol for hand sanitising without causing drying or irritation and is "self drying". A wall mounting bracket is also available but the Primasol is supplied in a convenient "bench top" canister.

CIP: The CIP range of cleaning agents consists of three types, the CIP 100 (Clean in Process) (Acidic) CIP 200 (Alkaline) and CIP 300 (Neutral).



Spor-Klenz - Ready To Use Sporicide

Spor Klenz RTU is a fast acting, liquid cold sterilant / disinfectant, filtered to 0.22 microns and specifically formulated for use in the sterilisation and disinfection of hard surfaces. This product is a stabilised blend of peracetic acid, hydrogen peroxide, and acetic acid that provides fast, effective microbial control, including spores. It offers a low toxicity profile and requires no mixing or activation. Each case is accompanied by a Certificate of Analysis. Spor-Klenz RTU may be used without dilution as a sterilant or diluted 1:50 with purified water and used as a high level disinfectant. It should be used on pre-cleaned surfaces and is safe on stainless steel, plastics, glass, floors and walls.

- One of the fastest chemical sterilants available
- Ready to Use – saves time and preparation procedures
- Advanced peracetic acid/hydrogen peroxide blend – provides fast microbial control
- May also be used diluted – flexibility in use as either a sterilant or high level disinfectant
- Manufactured at an FDA registered, ISO 9001 certified facility
- pH (typical) 1.5-2.0, colourless
- Full technical/test/safety data available
- Ideal for immersion, wiping, spraying or fogging



Spor-Klenz Ready to Use	3.2 litre x 4 per case	6525-08EC
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Primasol antiseptic foamed alcohol is formulated with ethyl alcohol that contains selected emollients to soften skin and prevent dryness. It is ideal for personnel in pharmaceutical environments for reducing the risk of environmental contamination. Primasol foamed alcohol is an excellent adjunct to hand washing when additional antimicrobial protection is needed. This product has documented efficacy against gram positive bacteria, gram-negative bacteria, and it meets the criteria of the FDA as a healthcare personnel hand wash and a surgical scrub.

- No water required
- Easy to operate and dispense, wall mounted bracket available
- Prevents dryness and softens skin
- Excellent antimicrobial protection

Primasol Hand Sanitiser	255ml per canister x 12 per case	1475-36EC
Wall Mounting Bracket	Single Bracket	T603-Q7

Cleaning and Disinfection Solutions



Environ LpH se - Rotational Phenolic

Environ LpH se phenolic disinfectant is made specifically for use on hard, non-porous surfaces. It is formulated to deliver proven efficacy against a broad spectrum of microorganisms without harming common surface materials. The formulation contains surfactants to improve disinfection efficacy and assist in cleaning performance. The acidic Environ LpH formulation is ideal for use with the alkaline Environ Vesphene formulation in a disinfectant rotation program.

- Broad spectrum microbiological efficacy proven using EN testing protocols
- Active ingredients notified according to the Biocide Product Directive (BPD)
- Acidic and alkaline formulation are ideal for use in a disinfectant rotation program
- Formulated with surfactants to improve disinfectant efficacy
- Manufactured in accordance with cGMP at Steris Corporation with complete lot traceability
- Dilute 1:256



Environ LpH	Non-sterile detergent cleaner 3.78 litres x 4 per case	641208 ECENV
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Environ Vesphene se - Rotational Phenolic

Environ Vesphene se is an alkaline formulation and is ideal for use with the acidic Environ LpH product in a disinfectant rotation program.

- Broad spectrum microbiological efficacy proven using EN testing protocols
- Active ingredients notified according to the Biocide Product Directive (BPD)
- Acidic and alkaline formulation are ideal for use in a disinfectant rotation program
- Formulated with surfactants to improve disinfectant efficacy
- Manufactured in accordance with cGMP at Steris Corporation with complete lot traceability
- Dilute 1:128



Environ Vesphene se	Non-sterile detergent cleaner 3.78 litres x 4 per case	641408ECENV
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Cleaning and Disinfection Solutions



Environ Process LpH st and Vesphene II st

Sterile - Rotational Phenolics

The Environ LpH and Vesphene st phenolic disinfectants are made specifically for use on hard, non-porous surfaces. They are formulated to deliver proven efficacy against a broad spectrum of microorganisms without harming common surface materials. The formulation contains surfactants to improve disinfection efficacy and assist in cleaning performance. Filtered and **gamma irradiated** to ensure **sterility** and double bagged for ease of introduction into aseptic areas. The acidic Environ LpH formulation is ideal for use with the alkaline Environ Vesphene formulation in a disinfectant rotation program.



- Broad spectrum microbiological efficacy proven using EN testing protocols
- Active ingredients notified according to the Biocide Product Directive (BPD)
- Acidic and alkaline formulation are ideal for use in a disinfectant rotation program
- Formulated with surfactants to improve disinfectant efficacy
- Manufactured in accordance with cGMP at Steris Corporation with complete lot traceability
- Certificates of Analysis contains irradiation and sterility results

Environ LpH st	Sterile unit dose format 29.8 ml pouch x 144 per case	641128ECENV
Environ Vesphene II st	Sterile unit dose format 59.6 ml pouch x 144 per case	641329ECENV



Septihol Sterile Alcohol

A ready-to-use, 70% USP grade, **sterile** isopropyl alcohol solution that has been filtered to 0.22 micron and gamma irradiated for sterility. The bottle is ergonomically designed with the adjustable trigger sprayer attached and with a label that has been moulded into the bottle. The double bag material contains an easy tear feature on both bags that allows easy access to the product while providing a sterile barrier. Each case is accompanied by Certificates of Analysis, Filtration, Irradiation, and Sterility. This product is ideal for the removal of cleanroom process residues and for routine glove decontamination.

Septihol	Sterile alcohol 473 ml x 12 per case	6248-Y4EC
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Clean In Place CIP 100 / 200 / 300 Series



CIP 100 Alkaline Cleaner

A high performance phosphate-free liquid alkaline detergent system for use in manual, immersion, and re circulating spray equipment including Clean-In-Place systems. It is effective in hard water and efficiently removes a wide variety of soils typically found in pharmaceutical, biotechnology, cosmetic, and food and beverage processes.



CIP 200 Acidic Cleaner

A high performance liquid phosphoric acid cleaner for use in manual, re circulating spray, and immersion cleaning systems, including Clean-In-Place systems. The blended acid and surfactant system rapidly and efficiently removes a wide variety of scales, particulate, and inorganic soils commonly found in pharmaceutical, biotechnology, cosmetic, and food and beverage processes.



CIP 300 Neutral pH Cleaner

CIP 300 Neutral pH cleaner is phosphate free and can be used as a stand alone detergent or detergent additive. It serves the pharmaceutical, biotechnology cosmetic and other industries requiring effective cleaning. This low foaming product is ideal for use in re circulating wash systems and is safe for use in manual applications. CIP 300 Cleaner is compatible across a wide array of substrates including aluminium, brass, and other soft metals. An extensive validation support package is available to meet your analytical objectives.

CIP 100 Alkaline Cleaner	18.93L Pail (4 x 3.78L)	1D1005EC (1D008EC)
CIP 200 Acidic Cleaner	18.93L Pail	1D2005EC
CIP 300 Neutral Cleaner	18.93L Pail	D3005GB

Cleaning and Disinfection Solutions

Cleaners and Microbial Control

Neutral Detergent – For General Cleaning

The Microzone liquids are formulated to effectively clean all areas of controlled environments. “**Critical**” solutions are suited for the work surfaces and laminar flow areas and are supplied ready for use, whilst the “**General**” counterparts are for dilution and use on areas such as floors and walls. All are supplied double bagged to ensure product integrity.

- Filtered to 0.2um
- Double bagged

Neutral Detergent General (Dilute 1:100)	1 x 5 litre	991-6150
Neutral Detergent Critical	12 x 1 Litre	991-6000
Trigger Pump Nozzle	Single	991-9800

Anti-static Detergent – For Cleaning with Static Protection

Where static is a concern, the anti-static detergent will provide effective cleaning together with assisting in static control due to the high performance anti-static agent incorporated in it. (Due to the active ingredient used in this product smear traces may be experienced when used on glass).



Anti-static detergent General (Dilute 1:100)	12 x 1 Litre or 1 x 5Litre	991-8100/8150
Anti-static Detergent Critical	12 x 1 Litre	991-8000
Trigger Pump Nozzle	Single	991-9800

70% Series

In conjunction with the detergents, a range of commonly used solvents are also available, each having its own characteristics for cleaning and or disinfecting areas of the cleanroom. (70% solution with 30% D.I. water.)

70% IPA (IPS) A light duty cleaner with fast acting wide spectrum disinfection

70% IMS A high quality disinfectant and solvent cleaner commonly used in BioClean rooms

70% Ethanol A high quality disinfectant and light duty solvent cleaner

70% IPA	12 x 1 Litre	991-7700
70% IMS	12 x 1 Litre	991-7800
70% Ethanol	6 x 1Litre - includes spray nozzles	991-7900
Trigger Pump Nozzle	Single	991-9800

Hand Care and Hand Hygiene



NovaClenz™ Hand and Glove Sanitiser

Effective and fast acting instant hand Sanitiser which requires no sink, water or towels. Clear gel contains 60% ethyl alcohol to provide excellent antiseptic and sanitisation capabilities. The formulation helps prevent bacterial transfer including Pseudomonas, Salmonella and Staphylococcus. Essential for pharmaceutical, bio-medical and health care applications. Available in 500 ml saddle pump bottle for use with or without the Touch Free or Micro Dispenser.



NovaClenz™ 'To-Go'



Effective and fast acting instant hand Sanitiser which requires no sink, water or towels. Clear gel contains 60% ethyl alcohol to provide excellent antiseptic and sanitization capabilities. Formulation helps prevent bacterial transfer including Pseudomonas, Salmonella and Staphylococcus. Essential for pharmaceutical, bio-medical and health care applications. The elliptical 2 ounce bottle easily fits into pockets, planners and briefcases.

Hy-G-Clenz™

Anti-bacterial lotion soap meets OSHA standards and is effective against a wide range of both gram positive and gram negative bacteria. A unique blend of .3% Triclosan and natural emollients this formulation is ideal for frequent hand washing. Kills germs while leaving hands feeling soft and smooth. Available in 500 ml saddle pump bottle for use with or without the Touch Free or Micro Dispenser.



Product	Description	Size	UOM	Code
NovaClenz™	Instant Sanitiser Gel	500ml	6 per case	IC-210
NovaClenz™ 'To Go'	Instant Sanitiser Gel	50ml		IC-210S
Hy-G-Clenz™	Anti-Bacterial Soap	500ml	6 per case	IC-420

Hand Care and Hand Hygiene



NovaDerm™ Lotion

Barrier protectant lotion with an anti-microbial agent. Non-greasy formulation with active ingredients proven to soften dry skin while at the same time re-moisturizing skin tissue. NovaDerm does contain silicon. Can be used as a barrier cream and moisturizing agent with or without gloves. Available in 500 ml saddle pump bottle for use with or without the Touch Free or Micro Dispenser.

Aquahol™ Hand and Glove Sanitiser

A custom blend of Isopropanol in WFI, developed specifically for hand and glove sanitization. Filtered to 0.1 microns this sterile alcohol blend can be used over gloves prior to entering into aseptic areas or over gloved hands between critical processes. When used in conjunction with the Touch Free Dispenser it assures a constant 'dose' of alcohol- one less variable for protocols and audits. As the Touch Free unit is activated through an electronic sensor, the operator does not have to touch the assembly to dispense the alcohol eliminating any chance of cross contamination. Aquahol is available double bagged in a 500 ml bottle. The alcohol is irradiated with certificate of sterility and full lot traceability. The pump and pathway are also irradiated.



NovaDyne™ Soap

General purpose soap for use in commercial settings. Lotion soap has built-in emollients and good sudsing. Formulation is pH balanced so skin is left feeling smooth and deodorized. Synthetic formulation is free rinsing, leaving hands free of any residue. Available in 500 ml saddle pump bottle for use with or without the Touch Free or Micro Dispenser.

Product	Description	Size	UOM	Code
NovaDerm™	Barrier Lotion	500ml	6 per case	IC-510
Aquahol™	Hand and Glove Sanitiser	500ml	6 per case	IC-220
NovaDyne™	General purpose Soap	500ml	6 per case	IC-110

Hand Care and Hand Hygiene

Dispensing Systems



M-Zone™ MicroDispenser™

The M-Zone MicroDispenser combines touch-free dispensing with no-hassle installation and easy change out of bottles. The compact, gravity fed unit has no tubes and a simple pump action – which means easier bottle insertion and more efficient battery use. A bubble spout screws onto the 500 ml bottle. The 2ml capacity green spout works with standard soaps and sanitisers and the 1 ml capacity blue spout for sterile IPA. Once the spout is attached the inverted bottle snaps into the well of the dispenser. When the electronic beam is broken by a hand passing under the unit, the bubble on the spout depresses to dispense the soap or lotion into the palm.



Touch Free Dispenser

A patented soap dispensing system which effectively cuts back on cross-contamination and waste in the cleanroom and supporting areas. The unit is activated by an infra-red electronic eye which delivers a consistent, pre-determined dose of soap, sanitizer or lotion into the palm of the hand. Complies with OSHA and CDC. A selection of anti-microbial and low ionic soap formulations available in 500ml cartridges to fit the dispenser.

Free Dispenser Offer

A free dispenser (either MicroDispenser or Touch Free Dispenser) is offered for every purchase of 3 cases of NovaDyne, Aquahol or Novadern purchased. Please note a case contains 6 x 500ml bottles.

Product	Description	UOM	Code
MicroDispenser™	Touch Free Gravity Dispenser	Single	ICDISP-3
Touch Free Dispenser	Touch Free Battery Dispenser	Single	ICDISP-1



Critical Environment Solutions Ltd

Company Contact's

For technical support and product recommendation, please contact a member of our customer sales team:

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