



BENEFITS OF USING TOUCAN ECO ECA SYSTEMS

Corporate Benefits and Environmental Corporate Social Responsibility (ECSR)

All major companies have Environmental Corporate Social Responsibility (ECSR) policies and strategies in place which are published in their Annual Reports. ECSR statements are designed to inform their shareholders, staff, customers, and the public how the company contributes to sustainable development by delivering environmental, economic, and social benefits for all stakeholders. All corporates now make environmental responsibility a key plank of their ECSR policies.

Adopting Toucan Eco ECA systems contribute to corporate's environmental policies and demonstrate commitment to Protecting People and Protecting the Environment.



NON TOXIC
CLEANING

Safety Benefits

Toucan Eco solutions are non-hazardous, non-toxic, and non allergenic. Generated from just water and salt, the solutions are entirely safe to use without the need for protective measures or equipment.

The solutions are certified 'food safe' and can be used for food processing and preparation. Toucan Eco ECA solutions are safe to use around babies, children, the elderly, and immune-compromised patients.



Environmental Benefits

Reducing Chemical and Plastic Footprint. Toucan Eco solutions are generated from natural and naturally sustainable compounds – salt and water. Toucan Eco systems generate cleaning and disinfectant solutions on-site, eliminating the need for the manufacture, transport, distribution and storage of chemicals, and the disposal of plastic containers and packaging.



Cost Benefits

Cost of production:

1ltr water + 1-2 gms salt (depending on unit) + 50W power for 4mins

= Total Cost of Production: 0.15 – 0.25p/ltr or 0.13 – 0.22c/l

Break even – dependent on system and usage, but between 4 & 18 months. Thereafter, the cost of production is virtually free. Plus:

- No procurement costs • No storage, inventory or wastage costs • No disposal costs

What is:

Polymer Alkyl alcohol ethoxylate
Dimethyldidecylammonium chloride
Alkyldimethylbenzylammoniumchloride
C12-14-alkyl (ethylphenyl) methyl
dimethyl Aminoethanol

Answer:

A common commercial
cleaning disinfectant product

What is:

Salt + Water + Activation

Answer:

Toucan Eco Solution: A cleaning
and disinfection solution

Facts:

- 280 million tonnes per year of toxic chemicals are manufactured in the EU.
- About 300 million tonnes per year of plastics are manufactured globally. Only about 10% is recycled.
- 8 million tonnes of plastic find their way to the sea each year.
- 400 years is the time it takes for plastics to decompose.



ECO CLEANING & DISINFECTION SYSTEMS

Protecting people and the environment



CENTREGO PRODUCTS 2021

Disinfection, Cleaning, Misting, Dosing & Decontamination



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TAKE RESPONSIBILITY

It is everyone's responsibility to improve our environment: Government, corporate and individual.
Its good for your business and shareholders, its good for your staff, for your customers and clients, and its good for the planet.

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Toucan Eco Product Range

Toucan Eco ESPRAY

Stand alone 350 ml capacity spray with built in activation cell. USB connection. Ideal for domestic and small commercial applications.

Capacity	350 ml
Concentration	200 ppm
pH	8 - 8.5
Activation timing	5 minutes
Max capacity	3 x over 30 minutes
Salt consumption	3 gm
Power	0W DC 5v 2 A USB cable



Toucan Eco III

1ltr jug. Mains activated on base unit. Suitable for small and medium commercial applications.

Capacity	1ltr mixed oxidant solution
Concentration	60-80 ppm
pH	7.8 - 8.5
Activation timing	4 minutes
Max capacity	3 x over 15 minutes
Salt consumption	2 gm
Power	27 W



Toucan Eco BIO CARRY

Portable field unit. 5ltr capacity. Can be used with 240v, 12v, or Solar power. For remote locations or emergency applications.

Capacity	5 ltr
pH	7.8 - 8.5
Activation timing	60 minutes
Concentration	200 ppm
Salt consumption	10 gm
Power	240 v, 12 v, or Solar power



Toucan Eco ACTIVE

Medium size unit with 10ltr batch capacity. Ideal for medium sized locations. Can be stand alone or plumbed in.

Capacity	10 ltrs mixed oxidant solution
Concentration	80-100 ppm
pH	7.8 - 8.5
Activation timing	15 minutes
Max capacity	2 x over 30 minutes
Salt consumption	1gm/litre
Power	100 W
Dispensing	Dispensing tap



Toucan Eco ACTIVE PLUS

As Toucan Eco Active but incorporates two way dosing for spray or bucket fill.

Capacity	5ltr holding tank mixed oxidant solution
Concentration	350 - 400 ppm
pH	7.8 - 8.5
Activation timing	40 minutes
Max capacity	1 x activation per hour
Salt consumption	2 gms per litre
Power	100 W
Dispensing	Proportional dispensers
Spray bottle dispenser	@100ppm Bucket/floor scrubber @50ppm
	Point of use capacity 18 ltrs at 100ppm
	36 ltrs at 50ppm

Toucan Eco FLOW

Flow through unit for larger premises. Ideal for education, retail and commercial applications. Unit can be configured for volumes from 40 - 1200 ltrs per hour and concentrations from 450 to 500ppm. Range of dispensers to dilute to required specification.

Capacity	60 ltrs/hr mixed oxidant solution
Concentration	450 to 500ppm
pH	7.8 - 8.5
Activation timing	Flow-through
Max capacity	3 x over 15 minutes
Salt consumption	1 gram/l
Power	150 W
Dispensing	Range of dispensers to dilute to required specification



CENTREGO PRODUCTS 2021

Spray Bottles

350 ml and 500 ml capacity 0.25mm spray nozzle, continuous spraying ultra-fine mist.



Hygicultr Total Plate Counts Swabs

Hygicultr TPC for simple surface monitoring for microbiological hygiene. Box of 10 slides Total Plate Count for common bacteria and fungi.

Chlorine Strips

Using chlorine strips is a cheap and effective way of measuring the Free Available Chlorine (FAC) in activated solutions. 50 strips per kit.



SPECIFICATIONS

PROCESS

Electro Chemical Activation

ADDITIVES

Salt: NaCl
Water: H2O

ACTIVE SUBSTANCES

Hypochlorous acid: HOCl
Sodium hypochlorite: NaOCl
EU Biocides Regulations No: 528/2012 Article 95 Listed

CERTIFICATES & NORMS

EU Biocides Regulations No: 528/2012 Article 95 Listed
CE Certified
WEEE Certified
EN1040
EN1275
EN1276
EN13727
EN13697
EN1500
EN1656
NF T 72-281
VAH Certified
EPA Approved
BAUA Registration

EFFICACY

Bacterial Log Percentage (%) species reduction reduction log 10 cfu

Escherichia coli 5.803 99.9997

Salmonella enterica serovar 4.940 99.9979

TypHimurium

Staphylococcus aureus 5.878 99.9998

Methicillin Resistant

Staphylococcus aureus (MRSA) 6.017 99.9998

L Poliovirus 6.703 99.9993

CHAT >5 99.999

Lsc1isteria monocytogenes

Murine >6 99.9999

Norovirus

MNV-1

Source: University West of the England

Centre for Research in Biosciences & Institute for

Bio-sensing Technology