



ENVIRO-PERFORMANCE™-Sustainable Development

THE REQUIREMENTS

THE CLEANING ACTIVITY

The cleaning activity of **ENVIRO-PERFORMANCE™-Sustainable Development's** formulation essentially comes from its biological components. Soft chemical ingredients are included in the lowest required concentration in order to support and stimulate the biological activity. At their concentration, the chemical ingredients have little or no significant cleaning activity without the involvement of the biological components.

THE MANUFACTURING PROCESS

Bioprocess:

The bioprocesses are the operations involved in the production of the biological ingredients. **ENVIRO-PERFORMANCE™-Sustainable Development's** formulations contain only biological ingredients produced according to Good Manufacturing Practice (GMP). In addition, the following criteria are invariably respected:

- Biological ingredients are produced in pure culture mode only.
- Culture media contain no animal derived material.
- Biological ingredients are produced in completely sterile media and bioreactor.
- All bacteria are washed with soft water prior to use in **ENVIRO-PERFORMANCE™-Sustainable Development's** formulations.

Formulation process:

SCT formulations are produced under GMP and according to the following criteria:

- Formulated by certified, well trained and long time experienced batch makers.
- No subcontracting formulation.

THE QUALITY INSURANCE PROGRAM

Cleaning performances:

Every lot of **ENVIRO-PERFORMANCE™-Sustainable Development** product is thoroughly analysed to make sure the end user always gets the same performance and satisfaction.

- Physical aspect of the products is checked through 7 different points.
- Biological and cleaning activities are checked through 6 different methods.
- Microbiological quality control is made on the following groups:
 - Yeast and moulds
 - Salmonella sp.

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- Coliform bacteria
- Escherichia coli
- Bacillus cereus
- Staphylococcus sp.
- Pseudomonas sp.

THE COMPOSITION OF ENVIRO-PERFORMANCE™-Sustainable Development's FORMULATIONS

ENVIRO-PERFORMANCE™-Sustainable Development's formulations are made of restricted, highly controlled and stringently selected ingredients.

With respect to performance:

- Only ultra specialized bacterial strains for maximum performance.
- A maximum of 5 different bacterial strains per formulation to avoid intra strain competition.
- No bacterial stuffing with bacteria that don't exhibit the desired metabolic profile.
- Only sporulated bacteria for maximum stability.
- Only compatible and soft chemical ingredients that stimulate the biological activity.
- Only soft chemical ingredients that don't reduce shelf life of biological ingredients.
- Soft chemical ingredients used at the lowest possible concentrations.
- No ingredients found on the US Department of Health's "Hazardous Substances Fact Sheet".

With respect to health and safety:

- Whenever possible food grade ingredients are used.
- Only bacteria strains that exhibit no unusual antibiotic resistance profile
- Bacteria that are identified using the state of the art RIS DNA sequence identification method.
- No bacteria from the *Bacillus cereus* group.
- No *pseudomonaceae*.
- Only formulations in the 6 to 8.5 pH range.
- No highly toxic ingredients.
- No flammable ingredients
- No organic solvents.
- No known carcinogens, mutagens or teratogens.

With respect to the environment:

- Highly concentrated formulation to reduce packaging waste.

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- Cleaning and degreasing formulations that don't require hot water to reach maximum performance.
- No GMO (genetically modified organisms).
- All formulations are biodegradable, surpassing international environmental accreditation agencies' standards.
- No ingredients found on the regulatory list of SARA, CERCLA, Clean Water Act and National Pollutant Release Inventory.
- No banned ingredients from EU community or North American environmental regulation.
- Formulations are in conformity with the European legislation on detergents.
- Formulations are in conformity with the Canadian Environment Protection Act (CEPA).
- No coloring agents unauthorized by the Directive 76/768/CEE and 94/36/CEE.
- No ozone depleting ingredients.
- No NPE (nonyl phenol ethoxylate) and no APE (alkyl phenol ethoxylate).
- No organic solvents.
- No builders.
- No nitro musk.
- Formulations not regulated by DOT/TDGA.