

Halo Bio Espresso Machine Cleaning Powder

GREENER CREDENTIALS

Sodium Metasilicate:

Silicates are one of the most abundant natural minerals on Earth. It is produced using a fusion process with sodium carbonate, again an abundant mineral. Sodium metasilicate is inorganic therefore it contains no carbon so will not biodegrade but when entering the waste system, they are neutralised and re-enter the Earth as a mineral again.

Sodium Carbonate:

Like silicates, the Earth's crust is made of vast quantities of natural carbonates (For example: The White Cliffs of Dover are comprised of carbonates). Like silicates, they are neutralised in the waste system.

Sodium Carbonate Peroxide:

This is as above but then treated with hydrogen peroxide. Hydrogen peroxide can be produced entirely naturally occurring in rainwater, snow, and even the human body. It decomposes to only water and oxygen, making it an environmentally friendly product.

Surfactants:

Our non-ionic surfactants plant based and are fully biodegradable and comply with the current EU Detergent Regulations. Our sources are renewable, natural raw materials, such as vegetable oils and coconut oil.

Soil and Scale Suspension System:

This agent prevents dirt from re-settling on surfaces. It is used extensively in Biological laundry products and demonstrates inherently biodegradable characteristics.

Chelating agent:

This agent makes cleaning easier by binding to inorganic materials such as scale and prevents it forming on the cleaned surface. Our chelating agent is sourced from a glucose (sugar) reaction, it is highly water soluble, biodegradable and does not bioaccumulate.

Powder Bulk Flow Ingedient:

Liquid cleaners typically are 80%+ water. The lack of moisture in a powder formulation is environmentally beneficial because it reduces transport and emissions etc.. Powder products also need carriers to ensure they make an homogenous powder blend, ie all the ingredient blend to form an even product that flows well.

The natural carrier in our formulation is widespread in nature with the earth containing an estimated 3 billion tonnes worldwide.