



YDRO PROCESS® 14

Technical Data Sheet

Paper mill Waste

Description

The YDRO PROCESS® 14 bacterial blend is a product containing a specially formulated range of microorganisms capable of treating paper mill waste. The high performance anaerobic, facultative and aerobic microorganisms in conjunction with the contained minerals, micronutrients, vitamins and enzymes create ideal conditions for the optimization of the treatment plants treating paper mill wastewater. It increases and sustains the bacterial activity in a variety of operational conditions. It promotes the break down and decomposition of cellulose and lignin and degrades the chemicals used in the de-inking and any other pulp processing stage.

Applications

Paper mills
Recycled cardboard facilities
Plasterboard producers

Storage, Handling and Disposal

Please store product at room temperature, with low humidity and away from direct sunlight. Storing in high temperature or high humidity for extended periods will harm the product and affect its efficiency significantly.

Do not use on food surfaces, do not inhale possible dust, wash hands thoroughly after handling.

Dispose container according to local regulations.

Directions for use

This product must be applied after maturing for at least 12 hours, preferably in non-chlorinated water. The maturation process, the exact dosing points and the exact daily dosage are decided according to the wastewater characteristics, the available treatment facility and the effluent target parameters. The initial dosage is usually increased. Several days may be required in order to achieve complete success. Nutrient supplement might be required.

Physical properties

Colour light brown
Appearance powder
Odour yeast-like
Relative density 0.60 – 0.65 gr/cm³
Bacterial cultures <1 wt%
pH range 6.0 – 9.0
Temperature range 5°C – 60°C
Carrier content >99 wt%
Solubility soluble in water
Degradability biodegradable
Shelf-life 3 months

Key Benefits – Results

- Reduces the production of excess sludge
- Increases the degradation of organic content
- Eliminates odours
- Degrades cellulose and lignin
- Improves and decolourises plant effluent
- Withstands high shock loads
- Enhances overall biological operations
- Degrades contained chemicals and surfactants
- Reduces the added chemicals (polymer etc.)
- Reduces overall treatment and maintenance cost
- Allows inorganic materials reuse (kaolinite etc.)
- Allows treated water reuse
- Optimum performance in cold weather conditions
- It is a naturally occurring product, non-toxic, non-genetically modified and environmentally safe
- Does not harm equipment or tanks
- No modifications or investments are required
- Easy activation and application

Available packaging

Bulk: 1kg, 2kg, 5kg, 10kg, 250kg