

# YDRO PROCESS® 9

## Technical Data Sheet

### Brewery wastewater

#### Description

The YDRO PROCESS® 9 is a product containing a specially formulated range of microorganisms capable of treating brewery and winery wastewater. The high performance anaerobic, facultative and aerobic microorganisms in conjunction with the contained minerals, micronutrients, vitamins and amino acids create ideal conditions for the optimisation of the treatment plants treating this type of wastewater. It increases and sustains the bacterial activity in a variety of operational conditions. It breaks down and decomposes carbohydrates, proteins and polyphenols and degrades the chemicals used in the production.

#### Applications

Breweries

Wineries

Alcoholic beverage facilities

#### 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/cm <sup>3</sup>
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
- Decomposes carbohydrates and proteins
- Breaks down polyphenols (tannin etc.)
- Increases the degradation of organic content
- Eliminates odours
- Increases biogas production in digesters
- Balances and withstands low pH shocks
- Decolourises effluent
- Improves plant microclimate
- Enhances overall biological operations
- Improves the plant effluent
- Maintains optimum performance at lower temperature conditions
- Reduces the added chemicals (polymer etc.)
- Reduces overall treatment plant operational cost
- Stabilizes organic load inconsistency
- It is a naturally occurring product, non-toxic, non-genetically modified and environmentally safe
- Does not harm equipment or tanks
- Easy activation and application

#### Available packaging

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