

# YDRO PROCESS® 20

## Technical Data Sheet

### *Sewer grid treatment*

#### Description

YDRO PROCESS® 20 is a product containing a specially formulated range of microorganisms capable of treating sewer grids of municipalities. The high performance anaerobic, facultative and aerobic microorganisms in conjunction with the contained minerals, micronutrients, vitamins and amino acids create ideal conditions for the degradation of the organic load. This degradation of the organic load occurring within the sewer pipelines can reach up to 80%, achieving an input to the wastewater treatment plant with an organic load of less than 100 mg/L, requiring less energy and time to be treated. It degrades organic compounds contained in the wastewater, breaks down fats, oils and grease and eliminates odours in the grid, manholes and pumping stations, without harming any metal, ceramic, plastic or concrete facility or equipment. It avoids blockages and conglomeration of fats, eliminates the production of sludge within the grid and decreases the sewer grid maintenance cost.

#### Applications

Sewer grid systems

Municipal collection systems

#### 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 sewer grid size and layout. The initial dosage is usually increased. Several days may be required in order to achieve complete success.

#### 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

- Cleans out grid, manholes and pumping stations
- Increases the degradation of organic content
- Eliminates odours
- Liquefies fats, oils and grease (F.O.G.)
- Prevents sewer system clogging
- Enhances overall biological operations
- Reduces the grid corrosion (no production of H<sub>2</sub>S)
- Reduces the added chemicals (deodorizers etc.)
- Reduces overall treatment cost
- Reduces the sewer maintenance cost
- Optimum performance in cold weather conditions
- It is a naturally occurring product, non-toxic, non-genetically modified and environmentally safe
- Does not harm pipelines and pumps
- Easy activation and application

#### Available packaging

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