

# AquaPure™ Bio 20 C

Aquapure Bio 20 C is a broad spectrum of selected and adapted, psychrophilic microbial cultures designed to degrade hydrocarbon industrial wastes, thereby enhancing TOC, COD, BOD and TSS removal in industrial or joint municipal/ industrial wastewater treatment plants operating under cold water temperature conditions (2°to15°C). The cultures in Aquapure Bio 20 C are capable of degrading wastes containing strong organic matter and semi-toxic compounds that interfere with normal biomass activity. Biomass optimization with Aquapure Bio 20 C will allow for effective treatment of complex organics such as, but not limited to; phenols, alcohols, surfactants, detergents, glycols, naphthalene's, amines, nitriles, aliphatic and aromatic hydrocarbons, ketones, cutting oils, styrene, and low levels of cyanide. Aquapure Bio 20 C can also be used effectively for soil and groundwater remediation projects.

## Features & Benefits

Minimum 4 billion CFU/g	Versatile- Broad spectrum
Formulated for cold temperature applications	Works in bio-systems during colder months without loss of bio activity as typically seen.
Formulated for industrial waste stream	Works to break down complexed organics and hydrocarbons

## Physical Data

Product	Dormant bacterial cultures and micronutrients
Viability	Minimum 4 billion CFU/g
Form	A dry, free-flowing powder
Color	Beige to light brown
Specific Gravity	0.50 – 0.07

## Typical Applications

- Chemical Processing
- Petrochemical Operations
- Petroleum Refining
- Steel/Coal Chemicals
- Textile mills
- Pharmaceutical Plants
- Pulp mills
- Soil and groundwater remediation

## Operating Conditions

Aquapure Bio 20 C may be added directly to aeration tank, lagoon, or oxidation ditch. For trickling filters, it is best to perhydrate product by adding 2 lbs. per 1 gallon of 20°C to 30°C non-chlorinated water. Allow solution to stand for 30 to 60 minutes before adding to trickling filter. Consult a Hubbard Hall representative.

pH	6.0 – 9.0
Temperature	2°C – 15°C (35.6°F – 59°F)
PO4	2 mg/L minimum
NH3N	2 mg/L minimum

Do not use in environments where high levels of toxic metals such as zinc, chrome, mercury, are known to exist.

Aquapure Bio 20 C is available in 25 lb. plastic pails or 100 lb. fiber drums and may be packaged in one-pound water-soluble packs.

## Caution

Persons allergic to dust should employ nose and mouth protection when handling this product. In the event of direct contact with the eyes or skin, flush the affected area with water.

WARRANTY: THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.

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## Our people. Your problem solvers.

For more information on this process please call us at  
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