

ECO-SUSTAINABLE ABSORPTION OF HYDROCARBONS

Reference : DEVDURABLE



The dried water hyacinth is:

- a 100% organic absorbent made in Benin
- able to capture up to 17 times its weight in hydrocarbons
- without any toxicity, on the contrary its use helps to fight against invasive plants
- burnt after use while ensuring compliance with regulations
- tested according to AFNOR and ASTM standards
- Human impact on the environment
- Invasive plant
- Sustainable development

Study of an invasive plant, water hyacinth, in a sustainable development project

From a plague ... an opportunity

Water hyacinth is a very invasive plant that covers water surfaces very quickly and thus prevents the development of other plant and animal species. Green Keeper Africa found that this specially dried and milled water hyacinth had the capacity to absorb up to 17 times its weight in hydrocarbons.

With your students, test the capabilities of this invasive plant with a simulated oil spill and discuss the impact of invasive plants on ecosystems as well as the use of hydrocarbons and their risks to the environment.

Composition :

- Bag of 75 g of crushed dried hyacinth GKSORB
- 200 ml bottle of hydrocarbons (waste oil)
- An educational guide detailing the life cycle of water hyacinth, and the Green Keeper Africa project