

## DEUREX® PURE

### TECHNICAL INFORMATION

- Chemical characterisation:** Adsorbent made of Polyethylene wax
- Use:**
- Oil and chemical adsorbing material for adsorption and durable keeping of oils, chemicals and other hydrophobic liquids
  - Water protection, applicable for all waters
  - Disaster management and cases of average
- Further fields of application:
- Filter technology
  - Waste water and sewage treatment
  - Purification plants and water supply facilities
  - All types of oil separators
  - Leakages, e. g. at plants, machinery or vehicles
- Properties:**
- 1 kg of DEUREX® Pure adsorbs 6.55 l of oil
  - DEKRA test report no.: 55251253/15
  - Regarding the oil adsorbing and oil keeping properties, DEUREX® Pure meets the requirements for oil absorbents, announcement of the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety dt. 12<sup>th</sup> March 1990 (GMBI – common ministerial gazette – p. 335) and 23<sup>rd</sup> April 1998 for type I, II, SF and for the LTWS – storage and transport of water-hazardous substances – no. 27 (June 1999).
  - DEUREX® Pure meets the requirements of the technical instructions on Municipal Waste for oil absorbents (type I, II and III)
  - DEUREX® Pure meets the requirements for floatability
  - Extremely big surface area, > 3 m<sup>2</sup>/g
  - Electric non-conductor
  - Inert, no chemical reaction with other products
- Ecological advantages:**
- Excellent environmental compatibility
  - Non biodegradable
  - Water protection due to water insolubility, no water adsorption
  - No residues in the water
  - Long-term adsorbent
  - Ground water protection, remains buoyant even when saturated
  - Easy to separate from water
  - Durable shelf-life, no decay of product
  - No raise of dust, harmless concerning occupational health
- Disposal:**
- Incineration possible by consideration of the adsorbed materials and substances, calorific value 40 – 45 MJ/kg
  - Recycling
- Technical data:**
- |                    |  |
|--------------------|--|
| Colour:            | White                                      |
| Consistency:       | Cotton like                                |
| Density:           | < 1 g/cm <sup>3</sup>                      |
| Oil binder demand: | 1 kg of DEUREX® Pure adsorbs 6.55 l of oil |
- Safety:** The product is no hazardous preparation according to Directive 1999/45/EC. It is not subject to labelling according to EC-Directive 67/548/EEC and Regulation (EC) 1272/2008.