

## Facts about the organic BuuMsorb® Absorbent



### 1. It is a natural product made from renewable raw material

- harmless to humans, fauna and flora
- pure BuuMsorb® is compostable
- microbiological hydrocarbon (HC) degradation possible
- thermal disposal possible
- Contaminated BuuMsorb® is a good source of energy and leaves only 0.2% volume of problem-free ash.

### 2. It is a universal binding agent

- with special product-specific properties.
- All ring-shaped/ mineral hydrocarbons (MKW) are absorbed.
- The following applies to inorganic liquids - the lower the water content, the better the absorption.

### 3. It can be used on land, traffic areas and on water

- Floating hydrocarbons are bound and retained on the water and solid surfaces.
- BuuMsorb® remains buoyant even when it is contaminated.

#### 4. Gas phases and odor absorption

- In an uncontaminated state BuuMsorb® is difficult to ignite. (Welding torch / peak temperature around 1200-1800 ° C)
- Due to the capillary, gases and odors are absorbed and potential sources of danger neutralized.

#### **Caution is advised with strongly oxidizing substances!**

- nitric acid or peroxides can lead to toxic smoke development.
- You will find specific external test reports for the examples mentioned in the brochure.

#### 5. Cost - Benefit in Comparison

- The disposal costs have increased dramatically.
- It is advisable not to estimate the binding agent only according to the price/ kg, but also take into the account the entire spectrum of applications and disposal.

#### 6. Important data using the example of BuuMsorb® Type II R

- The comparisons are for better understanding only.

	BuuMsorb® Type II R	Mineral Granules
packaging / bag	• 10 kg	• 20-22 kg
volume approx	• 50 l	• 32-37 l
recording based on extra light heating oil floatable	• 28 l	• 12-15 l
self ignition, e.g. natural oils, gasoline, etc.	• yes	• no
gas phase absorption	• hardly possible	• possible
lower heating value (LHV)	• very good	• poor
	• 15 MJ/kg (MJ = megajoule)	• -----

- By using BuuMsorb® the operating weight halved and nearly doubles the capacity. The calculation is simple (cost reduction by a factor of 4)
- **1 bag of mineral material 20-22 kg absorbs about 12-15 litres of HEL (heating oil extra light)**
- **1 bag BuuMsorb® Type II R 10 kg absorbs about 28 litres of HEL.**

#### **IMPORTANT NOTE ON THE DISPOSAL OBLIGATION !**

- All contaminated oil and chemical binding agents have to be disposed, according to disposal code No.150 202 of the EU Waste Catalogue (EWC) (Absorbents, filter materials containing harmful contaminants) .