

## What you definitely should know about BuuMsorb®

With this information we want to give you more background knowledge about BuuMsorb®. Comparisons serve only for better understanding.

### BuuMsorb® - Facts

- is a product from renewable raw material and for humans, flora and fauna harmless.
- is a universal binding agent with product-specific characteristics.
- has an optimal cost-benefit ratio.



### 1. Natural product made of renewable raw material – advantages

- pure BuuMsorb® composted
- microbiological hydrocarbon (HC) reduction possible
- thermal waste disposal possible

**Contaminated BuuMsorb®** is a good energy source, leaving only 0.2% volume ash. Mineral binders have little volume reduction and slagged on thermal disposal (according to recycling management law)

### 2. Universal binding agent

All the annular / mineral hydrocarbons are absorbed.(TPH).  
 For inorganic liquids applies - the lower the water content, the better the absorption.

### Use on land, traffic areas and water

- With BuuMsorb® floating hydrocarbons are bounded and held on water and solid surfaces.
- Even in the contaminated state BuuMsorb® remains buoyant.

## Gas phase and odor absorption

- In uncontaminated condition BuuMsorb® is flame resistant. (Welding torch / temperature is about 1200 to 1800 ° C)
- Due to the capillary gases and odors are absorbed and potential sources of danger neutralized.

### However, caution is necessary with strong oxidizing substances!

- e.g. with nitric acid or peroxide/ peroxide may cause toxic fumes  
Besides the above examples you will find in the brochure concrete external test reports.

## 3. Cost - benefit - Comparison

The disposal costs have risen dramatically.  
It is advisable to assess the binder not only about the price / kg, but to consider the entire application and disposal spectrum too.

### Important information / example BuuMsorb® Type II R

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

Through the use of BuuMsorb® you halve the amount of the product and almost double the capacity. The calculation is simple (reducing costs by a factor of 4)

- 1 bag of mineral material 20-22 kg absorbs about 12-15 liters of HEL (heating oil extra light)
- 1 bag **BuuMsorb® Type II R** 10 kg absorbs about 28 Liter HEL.

## Notes on disposal requirements

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)

For questions, do not hesitate to call us. We are happy to assist and advise you.

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