

## BuuMsorb® Type II R

Universal binding agent for absorbing environmentally hazardous substances



- 100% natural product - harmless to humans, flora and fauna.
- no abrasive or chemical components
- harmless in terms of occupational health and safety
- absorbs oil and fuels - **on solid ground and on water**
- absorbs liquid and pasty substances - chemicals, paint, solvents
- low flammability



- **grain size < 0,125 - > 4,0 mm**
- **bulk weight 180 - 200 g/ l**
- **sales unit - 10 kg bag / ca.50 l**  
absorbs approximately 28 l / HEL (test fluid - extra light heating oil)
- **packaging unit - CP1- pallet with 50 bags**

- **Test results on the absorption of BuuMsorb® Type II R**  
according to the guidelines of the Federal Institute for Materials Research (BAM) by an independent testing institute (Dr. Biernath-Wüpping GmbH-IGH)
- The conversions of the test results contained in volume and mass data was carried out by determining the bulk weight of the test material and literature data on the density of the test liquid to be absorbed.
- Higher-viscous liquid in a volume measurement was inadequate, only a qualitative assessment was made.

### 1. Absorption effect towards hydrous liquids

Liquid	Substances or major Components	1 Litre BuuMsorb® absorbs	1 Kilo BuuMsorb® absorbs	Condition after 48 hours storage time	Color
ammonia-concentrate	alkalis	1,08 l	5,43 l	dry, pourable	dark brown
ammonia-diluted 10%	alkalis	1,09 l	5,45 l	dry, pourable	brown
fixing bath	saline solutions	0,58 l	2,89 l	dry, pourable	light brown
sodium hydroxide-33%	alkalis	1,11 l	5,54 l	solid	dark brown
phosphoric acid-85%	inorganic acids	1,06 l	5,35 l	moist, sticky	dark brown
hydrochloric acid-concentrate	inorganic acids	1,03 l	5,15 l	dry, pourable	brown
hydrochloric acid-diluted 10%	inorganic acids	0,75 l	3,72 l	dry, pourable	brown
sulfuric acid-concentrate	inorganic acids	1,52 l	7,60 l	moist, sticky, solid	black
sulfuric acid-diluted 10%	inorganic acids	0,79 l	3,95 l	moist	brown

### 2. Absorption effect towards organic liquids

Liquid	Substances or major Components	1 Litre BuuMsorb® absorbs	1 Kilo BuuMsorb® absorbs	Condition after 48 hours storage time	Color
paint stripper	chlorinehydrocarbon /alcohols	*	*	dry, solid	brown
acetaldehyd	aldehydes	1,06 l	5,33 l	dry, pourable	light brown
acetone	ketones	0,60 l	2,99 l	dry, pourable	light brown
aniline	amines	0,81 l	4,07 l	dry, pourable	light brown
bitumen paint	hydrocarbon-solution	*	*	moist, sticky	black
paint-white	binder/ pigment/ solvent	1,34 l	6,69 l	dry, solid	white
aqua-red	pigmented color	1,37 l	6,84 l	dry, solid	red

benzoyl chloride	acid chlorides	0,74 l	3,71 l	dry, pourable	light brown
butylene glycol	polyalcohols	1,08 l	5,40 l	moist, sticky	red brown
dibutylamine	amines	0,64 l	3,20 l	dry, pourable	light brown
chloroform	chlorinehydrocarbon	0,73 l	3,65 l	dry, pourable	light brown
diesel fuel	fuels	0,60 l	3,00 l	moist, sticky	red brown
diethylether	ether	0,65 l	3,24 l	dry, pourable	light brown
acetic acid concentrate	organic acids	0,74 l	3,70 l	dry, pourable	light brown
ethyl alcohol	alcohols	0,67 l	3,36 l	dry, pourable	light brown
aviation turbine fuel	fuels	0,50 l	2,53 l	dry, pourable	light brown
photo developer	organic salt solutions	0,99 l	4,93 l	dry, pourable	dark brown
glycol	polyalcohols	1,03 l	5,17 l	moist, sticky	red brown
<b>heating oil EL</b>	<b>fuels-liquid</b>	<b>0,56 l</b>	<b>2,80 l</b>	<b>moist, sticky</b>	<b>red brown</b>
heating oil S	fuels-liquid	*	*	moist, sticky	
heptane	hydrocarbons	0,50 l	2,52 l	dry, pourable	light brown
lacquer-colorless	binder / solvent	*	*	dry, solid	red brown
engine lube oil	lubricants	0,79 l	3,93 l	moist, sticky	red brown
petrol	fuels	0,45 l	2,23 l	dry, pourable	brown
pyridine	organic bases	1,03 l	5,14 l	dry, pourable	brown
crude oil	hydrocarbons / compounds	0,70 l	3,50 l	moist, sticky	black
styrene	aromatic hydrocarbons	0,65 l	3,22 l	dry, pourable	light brown
tar oil	hydrocarbons / compounds	*	*	moist, movable	black
carbon-tetrachloride	chlorinated hydrocarbons	1,69 l	8,44 l	dry, pourable	light brown
toluene	aromatic hydrocarbons	0,71 l	3,54 l	dry, pourable	light brown
plasticizer	ester	0,40 l	2,01 l	moist, movable	red brown

For the preparation of an official certificate the test fluid is **fuel oil (extra light)**.