









Spills of hazardous substances – Measures to be taken

Table: Spills of hazardous substances – Measures to be taken

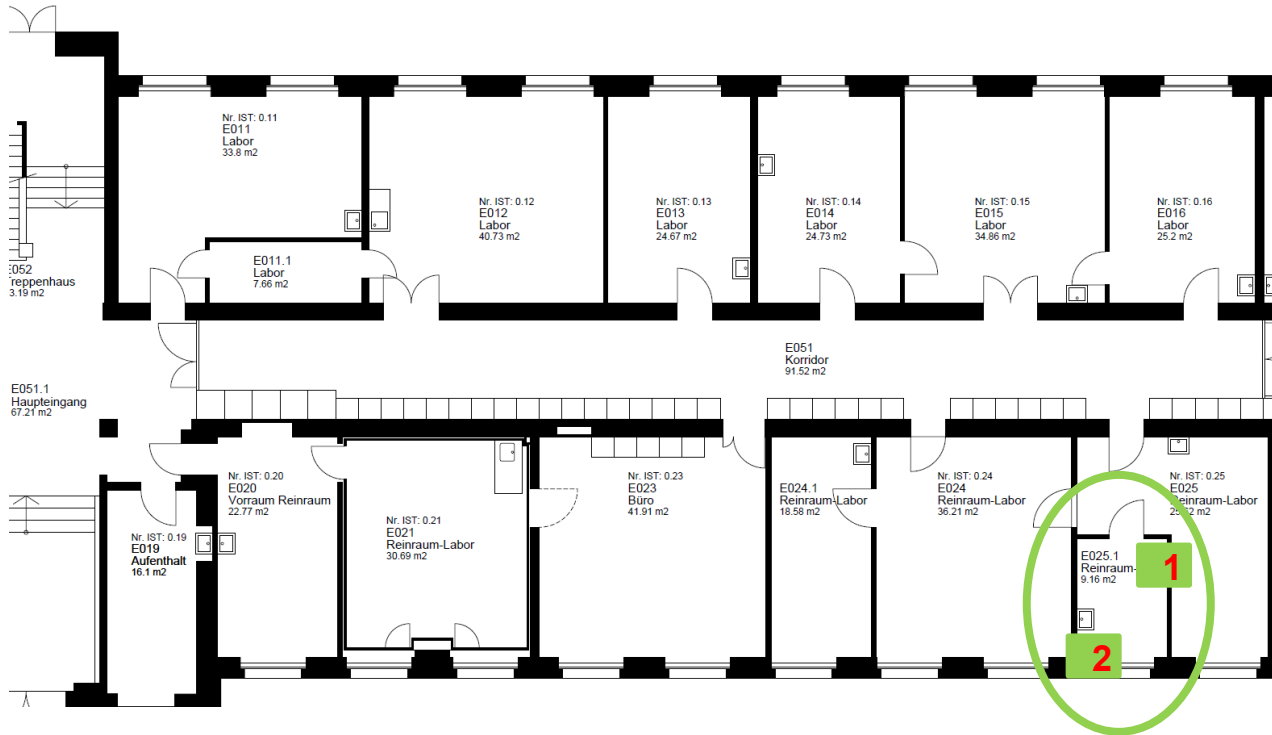
	 Acute toxicity	 Health hazard	 Serious health hazard	 Hazardous to the environment	 Flammable	 Oxidizing	 Corrosive	 Explosive
1 ml – 10 ml	Yellow	Yellow	Green	Green	Green	Green	Green	Yellow
10 ml – 100 ml	Red	Red	Green	Green	Green	Yellow	Yellow	Red
100 ml – 1000 ml	Red	Red	Green	Green	Yellow	Yellow	Red	Red
1000 ml – 5000 ml	Red	Red	Yellow	Yellow	Red	Red	Red	Red
> 5000 ml	Red	Red	Red	Red	Red	Red	Red	Red
Incidents involving major chemical spills (> 20 liters)	Dark red	Dark red	Dark red	Dark red	Dark red	Dark red	Dark red	Dark red

In the case of more than one hazard, the rule is **red before yellow before green**

Legend

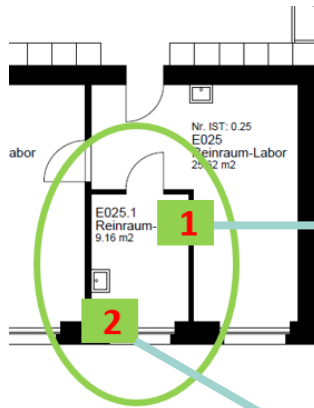
	If possible, render the hazardous substance harmless on the spot, e.g. by neutralization, oxidation or let vapors evaporate in the fume hood. Otherwise, follow measures for yellow .
	Contain and cover spilled substance with suitable spill absorbent materials that are stable and impervious to the hazardous substance. Respiratory protection masks and/or binding materials are in the emergency cabinet on each floor.
	If possible, prevent spreading (only if it is safe to do so). Contact person from Emergency phone numbers list
	Leave the room, close door(s) and immediately seek emergency help: 118 Contact person from Emergency phone numbers list

Adsorber



Room E0.25.1

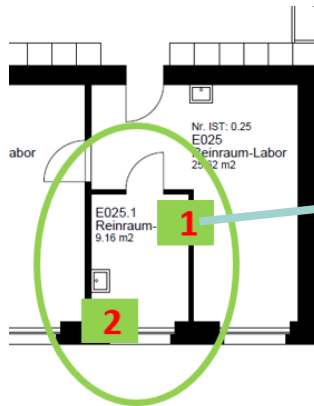
Adsorber



Room E0.25.1



Adsorber



Room E0.25.1

Universal absorber Rotisorb® Ideal for absorption of inflammable, oily, and aggressive liquids such as anorganic and organic acids, alkaline solutions, alcohols, aldehydes, amines, esters, aromatic, chlorinated and aliphatic hydrocarbons, substance compounds, e. g. paint, heating oil, fuels, lacquers, motor lubricants

Use:

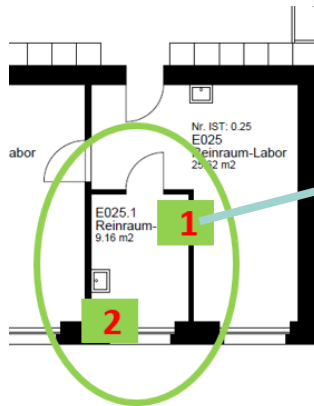
Slowly sprinkle Rotisorb® over the spilt liquid, mix well and allow several minutes to take effect.

800g Rotisorb® absorbs up to:

2l of organic solvents, power fuel, lacquer, aqueous solutions.



Adsorber



Room E0.25.1

Pyracidosorb-ROTH® For neutralizing acids. With colour indicator.

1 kg absorbs approx. 0.3 l concentrated sulphuric acid (H₂SO₄), 0.6 l concentrated nitric acid (HNO₃) and 1 l concentrated hydrochloric acid (HCl).

Contains sodium carbonate

Use:

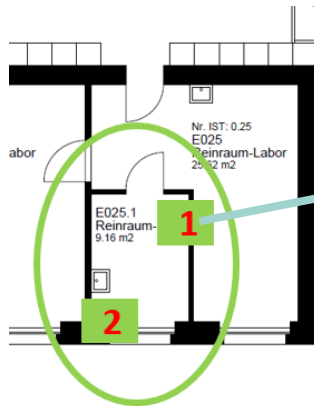
Firstly, adsorb concentrated mineral acids with Rotisorb®, then slowly sprinkle over Pyracidosorb-ROTH® and mix well until the colour changes to yellow.

Diluted minerals acids can be mixed directly with Pyracidosorb-ROTH®

One filling of box cap holds approx. 150g of Pyracidosorb-ROTH®



Adsorber



Room E0.25.1

Basosorb For neutralizing alkaline solutions. With colour indicator.

1 kg absorbs approx. 1 l concentrated ammonia (NH_3) solution (25 %), 1 l concentrated potassium hydroxide (KOH) (50 %) and 3/4 l concentrated sodium hydroxide (NaOH) (50 %).

Contains citric acid monohydrate

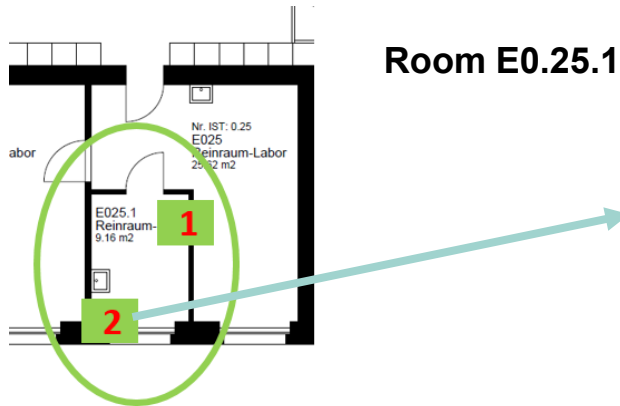
Use:

Dilute alkalis with a concentration of over 40% with water. Slowly sprinkle over Basosorb and mix well until the colour changes from red to colourless.

One filling of box cap holds approx. 150g of Basosorb.



Adsorber



Trivorex® is a universal neutralizing absorbent designed to tackle all types of liquid chemical spills, including acids, bases, oxidizing and reducing agents, solvents, and hydrocarbons (oils).

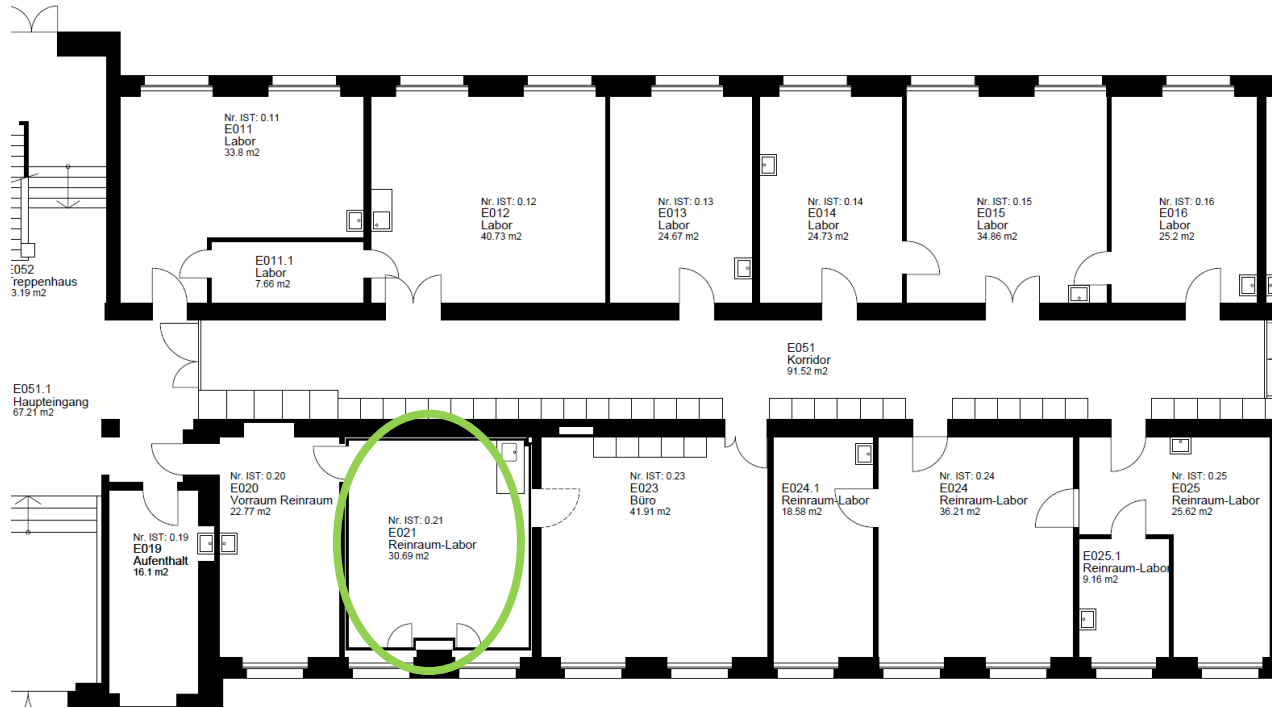
Like most absorbents, Trivorex® will solidify or gel chemical liquids on contact, but unlike a lot of chemical absorbents on the market, Trivorex® leaves behind no chemical residues thanks to its high absorption capacity.

Trivorex® will neutralize acidic and basic chemicals, rendering them completely harmless

Trivorex® helps identify chemical hazards with a corresponding colour change based on the pH level, turning red for acids and blue for bases. Trivorex® then returns to its original pale yellow colour once the chemical has been neutralized, indicating the absorbent is now safe to collect and dispose of.



Adsorber

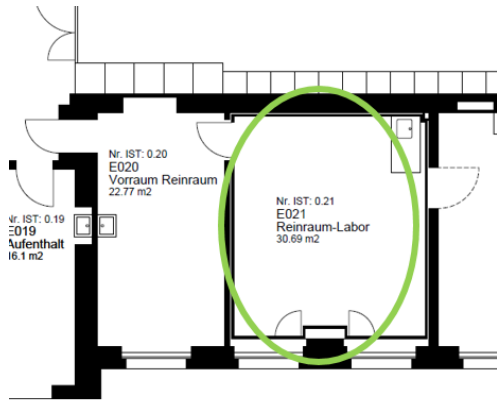


Room E0.21

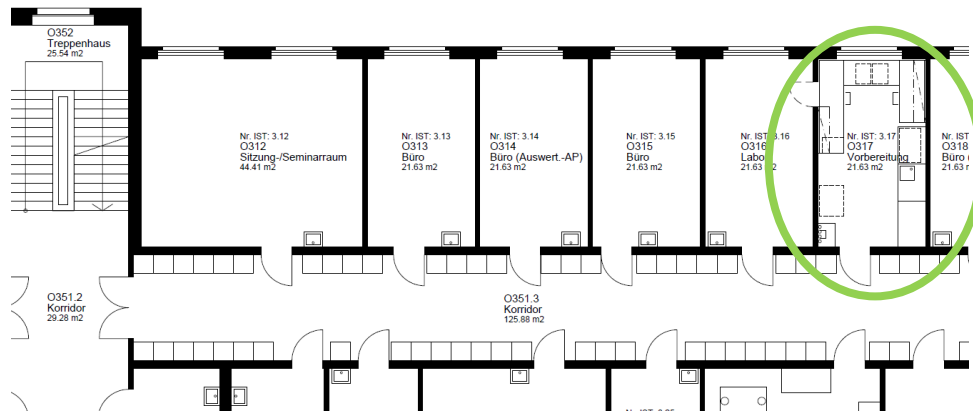
Adsorber

Room E0.21

1 kg Pyracidosorb-ROTH®, 1 kg Basosorb, 400 g Rotisorb®



Adsorber



Room O3.17

Pyracidosorb-ROTH

Pyracidosorb-ROTH® **For neutralizing acids.** With colour indicator.

1 kg absorbs approx. 0.3 l concentrated sulphuric acid (H₂SO₄), 0.6 l concentrated nitric acid (HNO₃) and 1 l concentrated hydrochloric acid (HCl).

Contains sodium carbonate

Use:

Firstly, adsorb concentrated mineral acids with Rotisorb®, then slowly sprinkle over Pyracidosorb-ROTH® and mix well until the colour changes to yellow.

Diluted minerals acids can be mixed directly with Pyracidosorb-ROTH®

One filling of box cap holds approx. 150g of Pyracidosorb-ROTH®

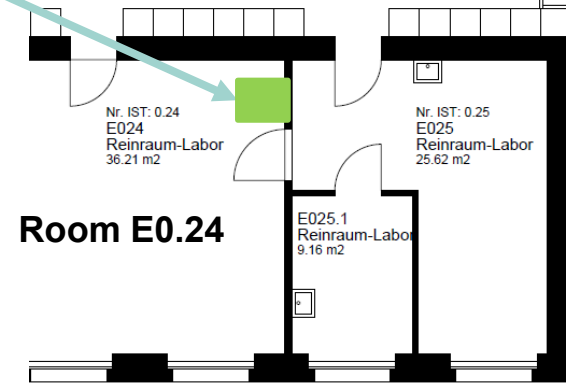
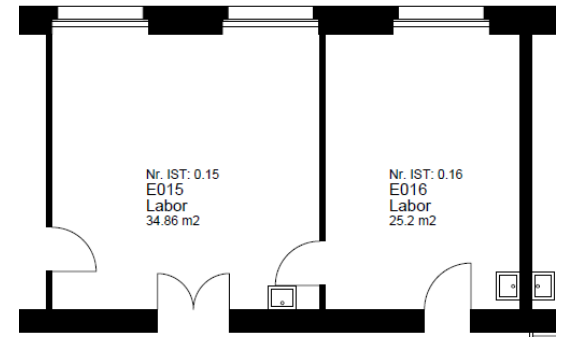
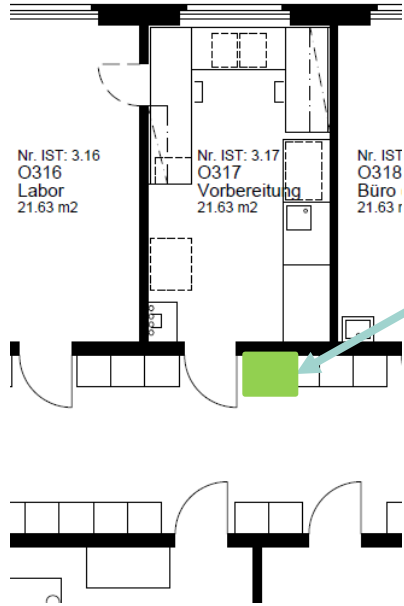


Gas mask with appropriate filter for each location of adsorber



E025.1 / E025	1140 A2B2E2K2 Hg P3 R D*
E021	AX-B2-P3
E021	1140 A2B2E2K2 Hg P3 R D*
O.317	A2-B2-E2-K1-Hg-NO-CO20-P3

Room O3.17



Room E0.20

