

Operating instructions in accordance with the Hazardous Substances Ordinance (GefahrstoffV)

Disinfection of surfaces with ethanol-containing solutions

This is only an auxiliary translation. Only [the German-language notice board with the institute stamp](#) is valid. Last revised April 2020

Hazardous substances/designation

These operating instructions apply to the disinfection of **surfaces** with **ethanol–water mixtures**. The ethanol content is 80%. Regular hand disinfection is not recommended.

The mixture smells of alcohol, slightly gasoline-like, and is colorless.

Risks to humans and the environment



The mixture can form flammable vapor-air mixtures at ambient temperature.



The mixture irritates the eyes, degrades the skin, and can lead to skin damage in case of repeated skin contact.

Protective measures and rules of conduct

Use the disinfectant only for disinfecting surfaces.

When disinfecting surfaces, wear chemical-resistant protective gloves (e.g., disposable nitrile or butyl rubber gloves).



Wear protective goggles if splashes cannot be avoided.

Switch off all electrical equipment before use, and ensure that surfaces that can come into contact with vapor are no more than lukewarm.

The disinfectant should be applied by wiping. Spraying is not permitted.



To prevent ignitable atmospheres, a maximum of 20 ml/m² room surface may be used. The rooms should be well ventilated.

Large surfaces (over 2 m²) such as tables must be disinfected with surfactant-based cleaners. The disinfectant is not intended for this purpose.



Simply let the disinfectant evaporate at room temperature. Heating the surfaces for faster drying is not permitted.

Keep canisters (max. 5 l) under lock and key. When transferring to smaller containers, ensure that the space is well ventilated (e.g., open window).

Eating, drinking, and smoking are forbidden.

Emergency procedures

Fire fighting

Extinguish small fires or incipient fires with the fire extinguishers located on site. In addition to powder and carbon dioxide, water and alcohol-resistant extinguishing foams are also suitable as extinguishing agents.



Release of substances

Allow small quantities to evaporate with proper ventilation. Absorb larger quantities with a cloth. Allow the cloth to dry outside. Dilute quantities absorbed with water and dispose of with waste water.

Emergency numbers

Fire: 112

Rescue center: 112



Accident insurance consultants: See “Emergency procedures” notice

First responders: See “Emergency procedures” notice



First aid

After contact with skin

Rinse with copious amounts of water. Consult a physician if symptoms occur.



After contact with eyes:

Rinse with water for at least 10 minutes. Consult a physician.

After swallowing

Rinse mouth with copious amounts of water and consult a physician if necessary. Do not induce vomiting.



After ingestion

Remove injured persons to fresh air. Consult a physician if symptoms occur.



Proper disposal

Dispose of product residues via the institute waste management officer.

Allow cloths to dry and then dispose of with the residual waste.

Damp cloths pose fire and explosion hazards. Under no circumstances should these be placed in the residual waste collection container.