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O 33

Liquid disinfectant concentrate



Properties

- based on hydrogen peroxide
- universally applicable
- non-foaming
- broad spectrum of action

Application

O 33 is a liquid disinfectant concentrate based on hydrogen peroxide for cold and warm disinfection. During use, O 33 decomposes into water and germicidal oxygen, making it a very safe product with respect to residue formation and ideal for use in food-related applications. The ready-to-use solution does not foam and is therefore ideal for CIP and other automated circulating disinfection processes. O 33 does not attack stainless steel, tin, zinc, copper, brass, or aluminum, making it universally applicable. O 33, as a cold and warm disinfectant concentrate, is suitable for virtually all disinfection tasks in the food and beverage industry.

- PT04. Disinfection of the drinking water distribution system by cleaning in place (CIP)
The product should be diluted to 4.7% (w/w) hydrogen peroxide for disinfection against bacteria, yeasts, and fungi: add 114 ml of product to 819 ml of water.
Contact time: 3 h.
Frequency: Daily / as needed.
Temperature: At room temperature.

- PT04. Disinfection of non-porous hard surfaces and equipment by immersion.
Equipment in the food and beverage industry, commercial kitchens, and canteens: The product should be diluted to 8.1% (w/w) hydrogen peroxide for disinfection against bacteria, yeasts, and fungi: add 200 ml of product to 738 ml of water. Pre-clean the equipment. The disinfectant solution should be diluted in trays (i.e., the product is poured or pumped into trays). The devices to be disinfected are placed manually or automatically into these trays(open or closed baths) and removed after a contact time of at least 60 minutes. After the disinfection process is complete, the equipment is rinsed with water. The disinfectant solution in the immersion bath should be renewed after each disinfection cycle.
Contact time: 60 min.
Frequency: Daily / as needed.
Temperature: At room temperature.

- PT04. Disinfection of surfaces by cleaning in place (CIP).
For disinfection of bacteria, yeasts, and fungi, the product should be diluted with 4.7% (w/w) hydrogen peroxide: add 114 ml of product to 819 ml of water. The process is carried out by circulating the disinfectant solution through the system under conditions of increased turbulence and flow velocities. The application is automated and a closed process.
After 3 hours of exposure, pipes and tanks are flushed with water, even under closed system conditions.

Technical data

Density (20°C)	pH-value
1,13 kg / l	2,1

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Titration

Pipette a sample of 10 ml into an Erlenmeyer flask and make up to approx. 100 ml with distilled water. Acidify with approx. 20 ml dilute sulphuric acid (10%) and then titrate with potassium permanganate solution (0.02 mol/L) until a weak pink coloration occurs. The coloration must be stable for at least 30 s.

V (volume of potassium permanganate solution in ml) x 0.05 = %O33

Biocide

Use biocide products with care. Always read the label and product information before use.

Authorised in accordance with the Biocidal Products Regulation (BPR; 528/2012/EU) with the authorisation number:
EU-0033025-0000.
100 g product contains 35 g hydrogen peroxide as active ingredient.Commercial applications.
Maximum usability from manufacture: 24 months in the closed original container.

Notes

Safe disposal:
Dispose of unused product and packaging after use in accordance with local regulations. Used product may be flushed to municipal sewer depending on local requirements.
First aid:
AFTER INHALATION: Rinse mouth immediately. Give the exposed person something to drink if they are able to swallow. DO NOT induce vomiting. Call emergency services (112). Advice for medical personnel: If necessary, initiate life support measures, then call POISON CENTER. AFTER SKIN CONTACT: Rinse skin immediately with plenty of water, remove contaminated clothing. Rinse skin with water for another 15 minutes. Call a POISON CENTER or doctor. (Wash clothing before reuse.). AFTER EYE CONTACT: Rinse immediately with water for several minutes, remove contact lenses if necessary. Continue rinsing with water for 15 minutes. Call emergency services (112). AFTER INHALATION: Remove to fresh air and place in a position where breathing is unhindered. If symptoms occur: call the emergency services (112). Without symptoms: Call a POISON CENTER or doctor.
Accidental release measures:
Large spills: Collect product in suitable containers (for example made of plastic) with suitable equipment (for example a liquid pump) for disposal. Never pour spilled product back into the original containers for reuse. Keep away from flammable and incompatible substances. Rinse off all residues with plenty of water. Dispose of the absorbed product in accordance with the applicable environmental regulations. Small spills: Dilute product with plenty of water and rinse away or absorb with liquid-binding material (for example diatomaceous earth or universal binding agent). Pick up mechanically and collect in suitable containers. Clean the contaminated surface thoroughly. Package and label waste in the same way as the product. Do not remove label from delivery containers before disposal.
Storage and shelf life:
Store away from direct sunlight and heat sources. Store away from sources of ignition - no smoking. Store away from flammable substances. Store away from incompatible substances.
Storage:
Temperature requirements - maximum 40 °C during storage, protect from frost. Store in a clean, dry and well-ventilated place. Transport and store containers in an upright position. Always close the container tightly after removing the product. Avoid leakage and residues of the product on the containers.

Information about common storage:
Do not store together with alkalis, reducing agents, metal salts (risk of decomposition). Do not store together with organic solvents (risk of explosion).

This product is halal certified. The certification was carried out with reference to the standards "BPJPH Decree No. 20 2023" and "OIC/SMIIC 50-1:2022" in product category K for the production, filling, storage and distribution of cleaning agents and disinfectants.

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For commercial use only. This leaflet is for non-binding information only. The information is based on our current knowledge and experience. In any case, the user is obliged to carry out his own tests and trials to check the suitability of the products for his intended processes and purposes. The information in this leaflet does not constitute a guarantee for the quality and durability of the goods to be supplied by us. We reserve the right to make technical changes within the scope of what is reasonable. The current version of the corresponding EU safety data sheet must also be observed.

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