



Absorbent and neutralizing powder bucket for sulfuric acid h1043_54

Absorbent and neutralizing powder for sulfuric acid with safety color change, in a 5 kg bucket. Compliant with Ministerial Decree 20/2011 for battery charging rooms, certified by the Universities of Milan.

The **absorbent and neutralizing powder bucket for sulfuric acid** (model h1043_54) is a fast-acting chemical safety device, specifically formulated for the neutralization and absorption in the event of sudden electrolyte leakage from accumulators. Developed for **charging rooms, storage plants, maintenance workshops, depots, and battery replacement centers**, this equipment meets the legal obligation for managing industrial chemical emergencies. The system solves the operational problem of **sudden battery structure failure and accidental sulfuric acid spills, preventing injury to personnel, stopping the aggressive contaminant from being absorbed by the soil, and certifying the completed safety process through a visual color change**. Upon contact with the spilled acid, the special powder mixture generates a controlled exothermic effervescent reaction lasting approximately 3-4 minutes, totally incorporating the liquid without ever releasing it again and leaving the walkable surface perfectly clean and dry with a neutral pH value around 7.0.

Technical features

- **Model and functional typology:** absorbent and neutralizing powder for acid spills with color change upon neutralization
- **Specific chemical application:** neutralization and complete absorption of sulfuric acid from batteries and accumulators
- **Packaging and supply format:** 5 kg bucket
- **Proportional absorbent power:** the theoretical amount of powder required to absorb 1 liter of sulfuric acid (with a density of 1.27 kg/dm³) is approximately 0.5 kg (1 bucket of 5 kg is theoretically sufficient for approximately 10 liters of acid)
- **Physical appearance of the compound:** powder
- **Chromatic indicators (Original color):** white/reddish
- **Visual verification system (Color change):** sequential chromatic change from WHITE to RED to YELLOW to certify completed neutralization
- **Chemical insulation parameters:** odorless with pH value (10% solution) between 8.5 – 9.5
- **Thermal behavior of the reaction:** generates a controlled exothermic effervescence that reaches a maximum temperature of approximately 40°C and lasts about 3-4 minutes
- **Final pH value of the remediated flooring:** pH values around 7.0 (perfect chemical neutrality)
- **Stability and storage (Expiry):** shelf life of 7 years from the date of production; duration of 24 months from opening the package
- **Tolerated storage conditions:** store in a dry place at room temperature; in a perfectly closed container with temperatures between -20°C and +50°C, the product undergoes no alteration
- **Classification for disposal (Used product):** hazardous waste, non-toxic; recommended EWC Code 15.02.02*

- **Classification for disposal (Unused or expired product):** non-hazardous waste, non-toxic; recommended EWC Code 15.02.03
- **Regulatory framework and certificates of conformity:** compliant with Legislative Decree 152/06 and Ministerial Decree n. 20 of 24/01/2011; efficacy validated and certified by the Department of Chemistry of the University of Milan, by a specialized Institute of the University of Milan, and by the accredited body A.R.C. Analisi e Ricerche Chimiche s.r.l.

** Image for illustrative purposes only*

INFORMATION

- **Packaging** Secchio



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