



Indian Standard IS 10758:1983 – Ensuring Quality and Safety of De-Odorizing-Cum-Disinfectant Fluids

De-odorizing-cum-disinfectant fluids are essential for maintaining hygiene and controlling odors in public and private spaces. The Indian Standard **IS 10758:1983**, established by the Bureau of Indian Standards (BIS), sets rigorous guidelines for the quality and safety of these fluids to ensure they are effective, safe, and reliable for use in health, sanitation, and household environments.

IS 10758:1983 outlines strict requirements for the composition and effectiveness of de-odorizing-cum-disinfectant fluids. The standard specifies that the fluid must be a **homogeneous solution** containing coal-tar acids, phenolic compounds, or essential oils like pine or lemongrass for odor control and disinfecting properties. The product's chemical composition is carefully regulated, requiring specific percentages of volatile matter and steam-volatile oils, which contribute to both its disinfecting power and safe application.

The standard defines three grades of disinfectant fluid, each with a different **germicidal value**, measured by the Rideal-Walker and Staphylococcal Coefficients. These coefficients indicate the fluid's ability to kill bacteria and pathogens, ensuring that each grade provides a suitable level of disinfection for various uses. Fluids must also exhibit stability after dilution, maintaining their emulsion for at least six hours and preserving their fragrance for a minimum of 24 hours, making them reliable for long-lasting hygiene.

Packaging and labeling requirements are also specified to ensure safety and ease of use. Disinfectant fluids must be packaged in containers made of materials like mild steel or tin, which are resistant to chemical interactions and protect product integrity. Each container must display **critical information, including product name, batch number, manufacture and expiry dates, and usage instructions**, allowing consumers to use the product safely and track its effectiveness over time. For additional assurance, products that meet all requirements can display the BIS Standard Mark, signaling compliance with quality and safety standards.

In summary, **IS 10758:1983** guarantees that de-odorizing-cum-disinfectant fluids are both effective and safe for consumers, reinforcing hygiene standards and public health safety.