

Epichlorohydrin

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Epichlorohydrin Latest News

The Bureau of Indian Standards (BIS) has implemented strict standards for tea bags, prohibiting harmful chemicals like epichlorohydrin.

About Epichlorohydrin

- It is an **epoxide** in which one of the methyl hydrogens is **substituted by chlorine**.
- **Properties**
 - It is a **volatile and flammable**, clear, colorless, liquid, chlorinated cyclic ether with an irritating, **chloroform-like odor**.
 - It **emits toxic fumes** of hydrochloric acid and other chlorinated compounds **when heated to decomposition**.
 - It is **soluble in water**.
- **Applications**
 - It is used mainly for the **manufacture of glycerol and unmodified epoxy resins**.

- It is used in the manufacture of elastomers, water treatment resins, surfactants, ion exchange resins, plasticizers, **dyestuffs, pharmaceutical products**, oil emulsifiers, lubricants and adhesives.
- **Impact on Health:** Exposure to epichlorohydrin irritates the eyes, skin and respiratory tract, and can cause chemical pneumonitis, pulmonary edema, and renal lesions.

Key Facts about Bureau of Indian Standards

- It is the **national standard body** of India established under **the Bureau of Indian Standards Act 2016**.
- **Objective:** It was established for the **harmonious development of the activities of standardization**, marking, and quality certification of goods and for matters connected therewith or incidental thereto.
- It is the **successor of the Indian Standards Institution (ISI)**, which was created in 1947.
- BIS represents India in **International Organization for Standardization (ISO)** and **International Electrotechnical Commission (IEC)**.
- **Nodal Ministry:** It is functioning under the administrative control of the **Ministry of Consumer Affairs, Food and Public Distribution**.
- **Headquarter:** It is **headquartered in New Delhi** and maintains regional and branch offices throughout the country.

Source: LM

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