(PREVIEW)

# *Indian Standard*

# CODE OF SAFETY FOR HYDROFLUORIC ACID

## 0. FOREWORD

**0.1** This Indian Standard was adopted by the Indian Standards Institution on 21 May 1969, after the draft finalized by the Chemical Hazards Sectional Committee had been approved by the Chemical Division Council.

**0.2** Hydrofluoric acid is highly toxic to all forms of life. Its high chemical reactivity and corrosivity present severe hazards to human life and process equipment. Due to its increasing use in the manufacture of a number of fluorine chemicals, such as, chlorofluoro hydrocarbons, fluorine containing plastics, synthetic cryolite and aluminium fluoride; a complete knowledge and understanding of the hazards associated with hydrofluoric acid is essential for its safe handling in industry.

**0.2.1** This standard attempts to guide the users in the recognition of these hazards and in the recommended handling procedures. The information given should be utilized to the fullest extent and should be supplemented with additional information on design aspects of plants and equipment.

**0.3** In the preparation of this standard, the chemical safety data sheet No. SD-25 for hydrofluoric acid published by Manufacturing Chemists' Association, Inc., Washington, D.C., USA, has been liberally consulted. Figures 1 and 2 of this standard are reproduced from the same publication by the courtesy of the publishers.

**0.4** This standard is one of a series of Indian Standard codes of safety for hazardous chemicals.

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## 1. SCOPE

**1.1** This code describes properties of hydrofluoric acid, the nature of hazards associated with it and the essential information on storage, handling, packing, labelling, disposal of waste, cleaning and repair of containers, selection and training of personnel, personal protective equipment and first-aid.

**1.1.1** This code does not deal with specifications for design of buildings, chemical engineering plants, storage vessels, equipment for operations control and waste disposal.