

INTERNATIONAL
STANDARD

ISO
13338

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**Determination of tissue corrosiveness of a
gas or gas mixture**

Détermination de la corrosivité des gaz ou mélanges de gaz sur les tissus



Reference number
ISO 13338:1995(E)

Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 13338 was prepared by Technical Committee ISO/TC 58, *Gas cylinders*, Subcommittee SC 2, *Cylinder fittings*.

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Introduction

The purpose of ISO 5145 is to establish practical criteria for the determination of outlet connections of gas cylinders of water capacity 150 litres or less. These criteria are based on certain physicochemical properties of the gases, in particular their corrosiveness.

One of the difficulties in the application of ISO 5145 resides in the absence of criteria for classifying the corrosiveness level of a gas or a gas mixture. In fact,

- in the case of pure gases, there are few data in the literature, but above all,
- in the case of gas mixtures, these data are very often nonexistent.

Investigation has shown that there is no correlation between the toxicity values defined by LC_{50} (see ISO 10298) and corrosiveness.

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