
Classification of fires

Classes de feux



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Foreword

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ISO 3941 was prepared by Technical Committee ISO/TC 21, *Equipment for fire protection and fire fighting*, Subcommittee SC 2, *Manually transportable fire extinguishers*.

This second edition cancels and replaces the first edition (ISO 3941:1977), which has been technically revised.

Introduction

This International Standard defines classes of fires according to the nature of the material undergoing combustion. In consequence, it does not define a particular class of fire involving an electrical risk.

Classification of fires

1 Scope

This International Standard classifies, into five categories, the different kinds of fires defined in terms of the nature of the fuel. Such a classification is particularly useful in the context of fire-fighting by means of an extinguisher.

2 Definitions and designation of classes of fire

The following designations are for the purpose of classifying fires of different natures and of simplifying spoken and written reference to them:

- **Class A** Fires involving solid materials, usually of an organic nature, in which combustion normally takes place with the formation of glowing embers;
- **Class B** Fires involving liquids or liquefiable solids;
- **Class C** Fires involving gases;
- **Class D** Fires involving metals;
- **Class F** Fires involving cooking media (vegetable or animal oils and fats) in cooking appliances.

