

INTERNATIONAL ELECTROTECHNICAL COMMISSION  
COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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**ISO/IEC 80079-20-1**  
Edition 1.0 2017-12

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**Explosive atmospheres –**

**Atmosphères explosives –**

**Part 20-1: Material characteristics for gas and  
vapour classification – Test  
methods and data**

**Partie 20-1: Caractéristiques des produits pour  
le classement des gaz et des  
vapeurs – Méthodes et données d'essai**

## CORRIGENDUM 1

Corrections to the French version appear after the English text.

Les corrections à la version française sont données après le texte anglais.

### FOREWORD

*Replace the two sentences, "It constitutes a technical revision. No significant changes were made with respect to IEC 60079-20-1:2010" by the following new text:*

It constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:

The classifications for the temperature class or equipment group were changed in the informative Annex B for the following materials: CAS-No. 64-17-5; 78-93-3; 107-31-3:

- For dry Ethanol (CAS-No. 64-17-5), equipment group remains IIB, but for Ethanol in air with  $\geq 4\%$  water vapour, as in common atmospheres, a second line has been added to indicate IIA;
- For 2-Butanone (CAS-No. 78-93-3), re-measurement indicated change from IIB to IIA was needed; and
- For Formic Acid Methyl Ester (CAS-No. 107-31-3), re-measurement indicated change from T2 to T1 was justified.

No significant changes were made with respect to the normative text of IEC 60079-20-1:2010.

### 3.5 minimum ignition current MIC

*Replace the term "minimum ignition current" with the following new term:*

**minimum igniting current**