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SANS 60079-10-1:2016

Edition 2 and IEC Corr. 1

IEC 60079-10-1:2015

Edition 2 and Corr. 1

SOUTH AFRICAN NATIONAL STANDARD

Explosive atmospheres

Part 10-1: Classification of areas — Explosive gas atmospheres

This national standard is the identical implementation of IEC 60079-10-1:2015 and IEC corrigendum 1, and is adopted with the permission of the International Electrotechnical Commission.

WARNING

This document references other documents normatively.

SANS 60079-10-1:2016

Edition 2 and IEC Corr.1

IEC 60079-10-1:2015

Edition 2 and Corr. 1

Table of changes

Change No.	Date	Scope
IEC corr. 1	2015	Corrected to replace the equation on release rate of evaporative pools with a new equation.

National foreword

This South African standard was approved by National Committee SABS/TC 065, *Explosion prevention*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This document was approved for publication in November 2016.

This document supersedes SANS 60079-10-1:2010 (edition 1).

Compliance with this document cannot confer immunity from legal obligations.

INTERNATIONAL ELECTROTECHNICAL COMMISSION

IEC 60079-10-1
Edition 2.0 2015-09

EXPLOSIVE ATMOSPHERES –

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CORRIGENDUM 1

B.7.3 Release rate of evaporative pools

Replace the existing Equation (B.6) with the following new Equation (B.6)

$$W_e = \frac{6,55 u_w^{0,78} A_p p_v M^{0,667}}{R \times T} \text{ (kg/s)} \quad (\text{B.6})$$



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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Explosive atmospheres –
Part 10-1: Classification of areas – Explosive gas atmospheres**

**Atmosphères explosives –
Partie 10-1: Classement des emplacements – Atmosphères explosives gazeuses**

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