IEC 60079-20-1
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Explosive atmospheres –
Part 20-1: Material characteristics for gas and vapour classification –Test methods and data

CORRIGENDUM 1

4.4 Classification according to MESG and MIC

Replace the existing second and third paragraphs by the following:

One determination is adequate when:

Group IIA: MESG ≥ 0,9 mm, or MIC > 0,9;

Group IIB: 0,55 mm ≤ MESG < 0,9 mm, or 0,5 ≤ MIC ≤ 0,8;

Group IIC: MESG < 0,5 mm, or MIC < 0,45.

Determination of both the MESG and MIC ratio is required when:

for IIA: 0,8 ≤ MIC ≤ 0,9 need to confirm by MESG;

for IIB: 0,45 ≤ MIC ≤ 0,5 need to confirm by MESG;

for IIC: 0,5 ≤ MESG < 0,55 need to confirm by MIC;

Table 1 – Classification of temperature class and range of auto-ignition temperatures

Replace the first row of Table 1 by the following:

Temperature class	Range of auto-ignition temperature (AIT) °C
T1	> 450

Annex B – Tabulated values

Replace in the row for CAS-No.75-29-6 the tabulated value for MESG and in the row for CAS-No. 107-31-3 the tabulated value for temp. class, as follows:

CAS-No.	Name formula	MESG [mm]	Temp. class
75-29-6	2-Chloropropane $(CH_3)_2CHCl$	1,23	T1
107-31-3	Formic acid methyl ester (= Methyl formate) (= Methyl methanoate) $HCOOCH_3$	0,94	T1