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English Version

Gases and gas mixtures - Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets (ISO 10156:2010)

Gaz et mélanges de gaz - Détermination du potentiel d'inflammabilité et d'oxydation pour le choix des raccords de sortie de robinets (ISO 10156:2010)

Gase und Gasgemische - Bestimmung der Brennbarkeit und des Oxidationsvermögens zur Auswahl von Ventilausgängen (ISO 10156:2010)

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SVENSK STANDARD

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Gaser och gasblandningar – Beräkning av brandrisk och oxidationsförmåga för val av ventilutlopp (ISO 10156:2010)

Gases and gas mixtures – Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets (ISO 10156:2010)

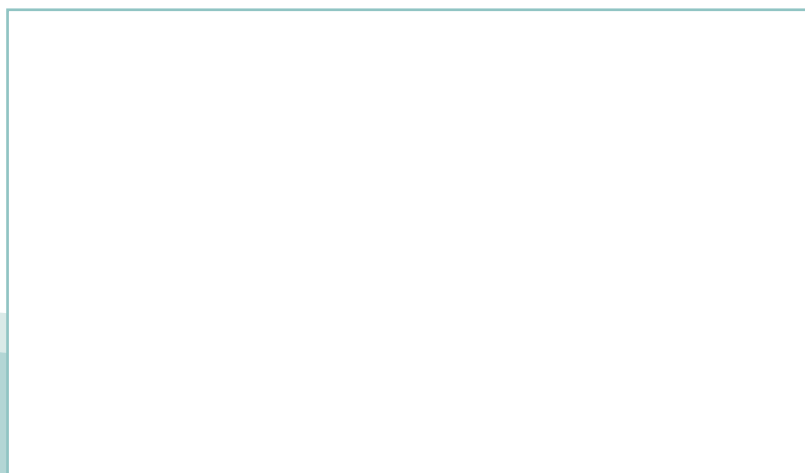


Table 2 — T_{ci} and L_i values of flammable gases and vapours

a) Flammability data for the majority of flammable gases

Gas	CAS No.	UN No.	T_{ci} in %	L_i in %
Acetylene	74-86-2	3374	3,0	2,3
Ammonia	7664-41-7	1005	40,1	15,4
Arsine	7784-42-1	2188	3,9	3,9
Bromomethane	74-83-9	1062	13,9	8,6
1,2-Butadiene	590-19-2	1010	2,0	1,4
1,3-Butadiene	106-99-0	1010	2,0	1,4
<i>n</i> -Butane	106-97-8	1011	3,6	1,4
1-Butene	106-98-9	1012	3,3	1,5
cis-Butene	590-18-1	1012	3,3	1,5
trans-Butenes	624-64-6	1012	3,3	1,5
Carbon monoxide	630-08-0	1016	15,2	10,9
Carbonyl sulfide	463-58-1	2204	6,5	6,5
Chlorodifluoroethane (R142b)	75-68-3	2517	26,4	6,3
Chloroethane	75-00-3	1037	5,8	3,6
Chlorotrifluoroethylene (R1113)	79-38-9	1082	7,4	4,6
Cyanogen	460-19-5	1026	3,9	3,9
Cyclobutane	287-23-0	2601	2,9	1,8
Cyclopropane	75-19-4	1027	3,4	2,4
Deuterium	7782-39-0	1957	6,7	6,7
Diborane	19287-45-7	1911	0,9	0,9
Dichlorosilane	4109-96-0	2189	2,5	2,5
Difluoroethane (R152a)	75-37-6	1030	8,7	4,0
Difluoroethylene (R1132a)	75-38-7	1959	6,6	4,7
Dimethyl ether	115-10-6	1033	3,8	2,7
Dimethylamine	124-40-3	1154	2,8	2,8
Dimethylpropane (neopentane)	463-82-1	2044	2,1	1,3
Ethane	74-84-0	1035	4,5	2,4
Ethyl methyl ether	540-67-0	1039	2,8	2,0
Ethylacetylene	107-00-6	2452	1,8	1,3
Ethylene	74-85-1	1962	4,1	2,4
Ethylene oxide	75-21-8	1040	4,8	2,6
Fluoroethane	353-36-6	2453	6,1	3,8
Fluoromethane	593-53-3	2454	9,0	5,6
Germane	7782-65-2	2192	1,0	1,0 (estimated)
Hydrogen	1333-74-0	1049	5,5	4,0
Hydrogen selenide	7783-07-5	2202	4,0	4,0