

BUREAU OF INDIAN STANDARDS

Program of Work

CHD 7 : Chemical Hazards

Scope: To formulate Indian Standard for i) Terminology, methods of sampling and test , codes of practices and guidelines relating to chemical hazards and Occupational Health and Safety related to Chemicals , ii) Classification of hazardous chemicals and chemical hazards; iii) Code of safety for operational hazards in Chemical industries and Chemical laboratories etc; iv) Safety data sheets and cards for hazardous chemicals

Liaison: **ISO TC-336 (P): Laboratory design**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10870:1984 Reviewed In : 2021	Code of Safety for Hexane	January, 2021	-	Indigenous
2	IS 10871:1984 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of Safety for Hydrzine and Hydrazine Hydrate	January, 2021	1	Indigenous
3	IS 10872:2023	Malathion Code of Safety (First Revision)		-	Indigenous
4	IS 10920:1984 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of Safety for Phosphorus Trichloride	January, 2021	1	Indigenous
5	IS 11141:1984 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of Safety for Acrylonitrile	January, 2021	1	Indigenous
6	IS 12033:1986 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of Safety for Dinitrotoluene (Dnt)	January, 2021	1	Indigenous
7	IS 12034:1986 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of Safety for Methyl Bromide	January, 2021	1	Indigenous
8	IS 12035:1986 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of Safety in Microbiological Laboratories	January, 2021	1	Indigenous

9	IS 12141:1987 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of Safety for Methyl Ethyl Ketone	January, 2021	1	Indigenous
10	IS 12142:1987 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of Safety for 1,1,1 - Trichloro Ethane	January, 2021	-	Indigenous
11	IS 12143:1987 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of Safety for Tetrachloroethane	January, 2021	1	Indigenous
12	IS 13440:1992 Reviewed In : 2023 Reaffirmed but not taken up for revision	Methyl Chloride - Code of Safety	December, 2023	2	Indigenous
13	IS 13441:1992 Reviewed In : 2018 Reaffirmed but not taken up for revision	Ethyl ether - Code of safety	December, 2018	2	Indigenous
14	IS 13442:1992 Reviewed In : 2023 Reaffirmed but not taken up for revision	Trichloro Ethylene - Code of Safety	December, 2023	-	Indigenous
15	IS 13447:1992 Reviewed In : 2023 Reaffirmed but not taken up for revision	P - Nitro Aniline - Code of Safety	December, 2023	2	Indigenous
16	IS 13910:1993 Reviewed In : 2023	Sulphur Dioxide - Code of Safety	December, 2023	-	Indigenous
17	IS 13911:1993 Reviewed In : 2023	Sulphur - Code of Safety	December, 2023	1	Indigenous
18	IS 13914:1993 Reviewed In : 2023 Reaffirmed but not taken up for revision	Perchlorates of Ammonium, Potassium and Sodium - Code of Safety	December, 2023	1	Indigenous
19	IS 14165:1995 Reviewed In : 2018 Reaffirmed but not taken up for revision	Handling Carcinogenic Substances - Code of Safety	December, 2018	-	Indigenous
20	IS 14200:2025	Hydrogen Peroxide - Code of Safety (First Revision)		-	Indigenous
21	IS 1446:2024	Classification of Dangerous Goods (Third Revision)		-	Indigenous
22	IS 14518:2023	Acetaldehyde - Code of Safety (First Revision)		-	Indigenous
23	IS 14572:2022	Chloroform Code of Safety (First Revision)		-	Indigenous
24	IS 14631:1999 Reviewed In : 2021	Styrene - Code of Safety	January, 2021	1	Indigenous

25	IS 14814:2023	Acetylene - Code of Safety (First Revision)		-	Indigenous
26	IS 14983:2022	Phosphorous (White or Yellow) - Code of Safety (First Revision)		-	Indigenous
27	IS 14984:2001 Reviewed In : 2023	1,3 - Butadiene - Code of Safety	August, 2023	-	Indigenous
28	IS 14985:2001 Reviewed In : 2023	Methyl Acrylate and Ethyl Acrylate - Code of Safety	August, 2023	-	Indigenous
29	IS 15200:2024	Hydrogen Sulphide Code of Safety (First Revision)		-	Indigenous
30	IS 15201:2022	Hydrogen- Code of Safety (First Revision)		-	Indigenous
31	IS 15465:2015 ISO 10156 : 2010 Reviewed In : 2021 ISO 10156 : 2010	Gases and Gas Mixtures - Determination of Fire Potential and Oxidizing Ability for the Selection of Cylinder Valve Outlets (First Revision)	January, 2021	-	Identical under dual numbering
32	IS 15548:2025	Hydrofluorocarbon (HFC-134a) - Code of Safety (First Revision)		-	Indigenous
33	IS 15656:2006 Reviewed In : 2023	Hazard Identification and Risk Analysis - Code of Practice	September, 2023	-	Indigenous
34	IS 15738:2007 Reviewed In : 2023	Stable Bleaching Powder - Code of Safety	September, 2023	-	Indigenous
35	IS 16529:2022 ISO 10298: 2018 ISO 10298: 2018	Determination of Toxicity of a Gas or Gas Mixture (First Revision)		-	Identical under dual numbering
36	IS 17752:2021 Reviewed In : 2026	Testing and Evaluation of Chemical Warfare Agent Detectors — Code of Practice	March, 2026	-	Indigenous
37	IS 17889:2022	Material Safety Data Sheets - Guidelines		-	Indigenous
38	IS 17893:2023	Work Permit System - Code of Practice		-	Indigenous
39	IS 18099:2022	Sodium Hypochlorite - Code of Safety		-	Indigenous
40	IS 19083:2025	Nitrous Oxide-Code of Safety		-	Indigenous
41	IS 19358:2025	NBC Canister - Method of Test - Breakthrough Test for Sulphur Mustard Vapor (BTSM)		-	Indigenous
42	IS 4155:2023	Glossary of Terms Relating to Chemical and Radiation Hazards and Hazardous Chemicals (First Revision)		-	Indigenous
43	IS 4209:2013 Reviewed In : 2023	Chemical laboratories - Code of safety (Second Revision)	August, 2023	-	Indigenous
44	IS 4262:2022	Sulphuric acid - Code of Safety (Second Revision)		-	Indigenous
45	IS 4263:1967 Reviewed In : 2023	Code of Safety for Chlorine	December, 2023	2	Indigenous
46	IS 4264:2023	Caustic Soda Code of Safety (First Revision)		-	Indigenous
47	IS 4312:1967 Reviewed In : 2021	Code of Safety for Lead and its Compounds	January, 2021	1	Indigenous
48	IS 4544:2025	Ammonia - Code of Safety (Second Revision)		-	Indigenous
49	IS 4560:2024	NITRIC ACID- CODE OF SAFETY (First Revision)		-	Indigenous
50	IS 4644 (Part	Benzene, Toluene and Xylene		-	Indigenous

	2):2025	(BTX) Aromatics — Code of Safety Part 2 Toluene (First Revision)			
51	IS 4644 (Part 2):2025	Benzene, Toluene and Xylene (BTX) Aromatics — Code of Safety Part 2 Toluene (First Revision)		-	Indigenous
52	IS 4644 (Part 2):2025	Benzene, Toluene and Xylene (BTX) Aromatics — Code of Safety Part 2 Toluene (First Revision)		-	Indigenous
53	IS 4906:2017 Reviewed In : 2022	Radiochemical Laboratory - Code of Safety (First Revision)	October, 2022	-	Indigenous
54	IS 5184:1969 Reviewed In : 2021	Code of Safety for Hydrofluoric Acid	January, 2021	1	Indigenous
55	IS 5208:2024	ACETIC ACID - CODE OF SAFETY (First Revision)		-	Indigenous
56	IS 5302:1969 Reviewed In : 2021	Code of Safety for Acetic Anhydride	January, 2021	1	Indigenous
57	IS 5311:1969 Reviewed In : 2021	Code of Safety for Carbon Tetrachloride	January, 2021	1	Indigenous
58	IS 5685:1970 Reviewed In : 2026	Code of safety for carbon disulphide (Carbon Bisulphide)	December, 2026	2	Indigenous
59	IS 5931 (Part 6):2025	Cryogenic Liquid - Code of Safety Part 6 Liquid Krypton (First Revision)		-	Indigenous
60	IS 5931 (Part 4):2025	Cryogenic Liquid - Code of Safety Part 4 Liquid Helium (First Revision)		-	Indigenous
61	IS 6156:1971 Reviewed In : 2021	Code of Safety for Chlorosulphonic Acid	January, 2021	1	Indigenous
62	IS 6164:2023	Hydrochloric Acid Code of Safety (First Revision)		-	Indigenous
63	IS 6269:1971 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of Safety for Ethylene Oxide	January, 2021	1	Indigenous
64	IS 6270:2024	PHENOL â€™ CODE OF SAFETY (First Revision)		-	Indigenous
65	IS 6818:2025	Phosphoric Acid - Code of Safety (First Revision)		-	Indigenous
66	IS 6819:1973 Reviewed In : 2021	Code of Safety for Calcium Carbide	January, 2021	-	Indigenous
67	IS 6953:2025	Bromine - Code of Safety (First Revision)		-	Indigenous
68	IS 6954:1973 Reviewed In : 2021	Code of Safety for Caustic Potash	January, 2021	1	Indigenous
69	IS 7415:1974 Reviewed In : 2023	Code of Safety for Aniline	December, 2023	-	Indigenous
70	IS 7420:1974 Reviewed In : 2021	Code of Safety for Phthalic Anhydride	January, 2021	1	Indigenous
71	IS 7444:1974 Reviewed In : 2023 Reaffirmed but not taken up for revision	Code of Safety for Methanol	December, 2023	-	Indigenous
72	IS 7445:2022	Acetone Code of Safety (First		-	Indigenous

		Revision)			
73	IS 7812:1975 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of Safety for Mercury	January, 2021	1	Indigenous
74	IS 8185:1976 Reviewed In : 2021	Code of Safety for Phosgene	January, 2021	1	Indigenous
75	IS 8388:2025	Nitrobenzene - Code of Safety (First Revision)		-	Indigenous
76	IS 9052:1978 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of safety for Aluminium Chloride, Anhydrous	January, 2021	1	Indigenous
77	IS 9053:1978 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of Safety for m - Dinitrobenzene	January, 2021	1	Indigenous
78	IS 9277:1979 Reviewed In : 2021	Code of Safety for Monochlorobenzene	January, 2021	1	Indigenous
79	IS 9278:1979 Reviewed In : 2021	Code of Safety for Zinc Phosphide	January, 2021	-	Indigenous
80	IS 9279:2023	Aluminium Phosphide - Code of Safety (First Revision)		-	Indigenous
81	IS 9744:1981 Reviewed In : 2021	Code of Safety for Thionyl Chloride	January, 2021	2	Indigenous
82	IS 9785:1981 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of Safety for Aluminium Alkyls	January, 2021	-	Indigenous
83	IS 9786:1981 Reviewed In : 2023	Code of Safety for Vinyl Chloride (VCM)	December, 2023	2	Indigenous
84	IS 9787:1981 Reviewed In : 2021	Code of Safety for Phosphoryl Chloride	January, 2021	1	Indigenous

Standards under Development

Projects Approved

Sl. No.	Doc No.	Title
1	CHD 7 (28543) Revision of: IS 9278:1979	Zinc Phosphide Code of Safety First Revision

Preliminary Draft Standards

Sl. No.	Doc No.	Title
No Records Found		

Drafts Standards in WC Stage

Sl. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage

Sl. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standard		
Sl. No.	Doc No.	Title
1	CHD 7 (27760) Revision of: IS 5311:1969	Carbon Tetrachloride Code of Safety First Revision
2	CHD 7 (27762) Revision of: IS 9786:1981	Vinyl Chloride VCM Code of safety First Revision
3	CHD 7 (27763) Revision of: IS 4263:1967	Chlorine Code of Safety First Revision
4	CHD 7 (28480) Revision of: IS 15465:2015	Gases and gas mixtures Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets Second Revision
5	CHD 7 (28697) Amendment of: IS 6954:1973	Caustic Potash Code of safety First Revision
6	CHD 7 (28701) Amendment of: IS 7415:1974	Aniline Code of Safety First Revision

Finalized Draft Indian Standards under Print		
Sl. No.	Doc No.	Title
1	CHD 7 (27761) Revision of: IS 5302:1969	Acetic Anhydride Code of Safety First Revision
2	CHD 7 (27772) Revision of: IS 4644:1968	Benzene Toluene and Xylene BTX Aromatics Code of Safety Part 1 Benzene
3	CHD 7 (27773) Revision of: IS 4644:1968	Benzene Toluene and Xylene BTX Aromatics Code of Safety Part 2 Toluene First Revision
4	CHD 7 (27774) Revision of: IS 4644:1968	Benzene Toluene and Xylene BTX Aromatics Code of Safety Part 3 Xylene First Revision
5	CHD 7 (28367)	Sodium Cyanide Code of Safety
6	CHD 7 (33030)	Calcium Carbide - Code of Safety First Revision
7	CHD 7 (33201)	Phosgene Code of Safety First Revision

Total Published Standards:79 Total Standards Under development:14

Aspect Wise Report

Product : 0
 Code of Practices : 74
 Methods of Test : 3
 Terminology : 1
 Dimensions : 0
 System Standard : 0
 Safety Standard : 3
 Others : 0
 Service Specification : 0
 Process Specification : 0
 Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
No Records Found		

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
No Records Found		