

## 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 <span style="color: green;">Reviewed In : 2021</span>	Code of Safety for Hexane	January, 2021	-	Indigenous
2	IS 10871 : 1984 <span style="color: green;">Reviewed In : 2021</span> 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 <span style="color: green;">Reviewed In : 2021</span> Reaffirmed but not taken up for revision	Code of Safety for Phosphorus Trichloride	January, 2021	1	Indigenous
5	IS 11141 : 1984 <span style="color: green;">Reviewed In : 2021</span> Reaffirmed but not taken up for revision	Code of Safety for Acrylonitrile	January, 2021	1	Indigenous
6	IS 12033 : 1986 <span style="color: green;">Reviewed In : 2021</span> Reaffirmed but not taken up for revision	Code of Safety for Dinitrotoluene (Dnt)	January, 2021	1	Indigenous
7	IS 12034 : 1986 <span style="color: green;">Reviewed In : 2021</span> Reaffirmed but not taken up for revision	Code of Safety for Methyl Bromide	January, 2021	1	Indigenous
8	IS 12035 : 1986 <span style="color: green;">Reviewed In : 2021</span> 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	Handling Carcinogenic Substances - Code of Safety	December, 2018	-	Indigenous
20	IS 14200 : 1994 Reviewed In : 2022	Hydrogen Peroxide - Code of Safety	May, 2022	1	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) -		-	Indigenous

		Code of Safety (First Revision)			
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 : 2005 Reviewed In : 2022	Hydrofluorocarbon (HFC - 134a) - Code of safety	May, 2022	-	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	Testing and Evaluation of Chemical Warfare Agent Detectors — Code of Practice		-	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 4155 : 2023	Glossary of Terms Relating to Chemical and Radiation Hazards and Hazardous Chemicals (First Revision)		-	Indigenous
41	IS 4209 : 2013 Reviewed In : 2023	Chemical laboratories - Code of safety (Second Revision)	August, 2023	-	Indigenous
42	IS 4262 : 2022	Sulphuric acid - Code of Safety (Second Revision)		-	Indigenous
43	IS 4263 : 1967 Reviewed In : 2023	Code of Safety for Chlorine	December, 2023	2	Indigenous
44	IS 4264 : 2023	Caustic Soda Code of Safety (First Revision)		-	Indigenous
45	IS 4312 : 1967 Reviewed In : 2021	Code of Safety for Lead and its Compounds	January, 2021	1	Indigenous
46	IS 4544 : 2000 Reviewed In : 2022	Ammonia - Code of Safety (First Revision)	May, 2022	1	Indigenous
47	IS 4560 : 1968 Reviewed In : 2023	Code of Safety for Nitric Acid	September, 2023	-	Indigenous
48	IS 4644 : 1968 Reviewed In : 2023	Code of Safety for Benzene, Toluene and Xylene	December, 2023	-	Indigenous
49	IS 4906 : 2017 Reviewed In : 2022	Radiochemical Laboratory - Code of Safety (First Revision)	October, 2022	-	Indigenous
50	IS 5184 : 1969 Reviewed In : 2021	Code of Safety for Hydrofluoric Acid	January, 2021	1	Indigenous
51	IS 5208 : 1969 Reviewed In : 2023	Code of Safety for Acetic Acid	September, 2023	-	Indigenous

52	IS 5302 : 1969 Reviewed In : 2021	Code of Safety for Acetic Anhydride	January, 2021	1	Indigenous
53	IS 5311 : 1969 Reviewed In : 2021	Code of Safety for Carbon Tetrachloride	January, 2021	1	Indigenous
54	IS 5685 : 1970 Reviewed In : 2021	Code of safety for carbon disulphide (Carbon Bisulphide)	January, 2021	2	Indigenous
55	IS 5931 : 1970 Reviewed In : 2021	Code of safety for handling cryogenic liquids	January, 2021	1	Indigenous
56	IS 6156 : 1971 Reviewed In : 2021	Code of Safety for Chlorosulphonic Acid	January, 2021	1	Indigenous
57	IS 6164 : 2023	Hydrochloric Acid Code of Safety (First Revision)		-	Indigenous
58	IS 6269 : 1971 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of Safety for Ethylene Oxide	January, 2021	1	Indigenous
59	IS 6270 : 1971 Reviewed In : 2023	Code of Safety for Phenol	September, 2023	-	Indigenous
60	IS 6818 : 1973 Reviewed In : 2021	Code of Safety for Phosphoric Acid	January, 2021	2	Indigenous
61	IS 6819 : 1973 Reviewed In : 2021	Code of Safety for Calcium Carbide	January, 2021	-	Indigenous
62	IS 6953 : 1973 Reviewed In : 2022	Code of Safety for Bromine	May, 2022	-	Indigenous
63	IS 6954 : 1973 Reviewed In : 2021	Code of Safety for Caustic Potash	January, 2021	1	Indigenous
64	IS 7415 : 1974 Reviewed In : 2023	Code of Safety for Aniline	December, 2023	-	Indigenous
65	IS 7420 : 1974 Reviewed In : 2021	Code of Safety for Phthalic Anhydride	January, 2021	1	Indigenous
66	IS 7444 : 1974 Reviewed In : 2023 Reaffirmed but not taken up for revision	Code of Safety for Methanol	December, 2023	-	Indigenous
67	IS 7445 : 2022	Acetone Code of Safety (First Revision)		-	Indigenous
68	IS 7812 : 1975 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of Safety for Mercury	January, 2021	1	Indigenous
69	IS 8185 : 1976 Reviewed In : 2021	Code of Safety for Phosgene	January, 2021	1	Indigenous
70	IS 8388 : 1977 Reviewed In : 2023	Code of Safety for Nitrobenzene	December, 2023	-	Indigenous
71	IS 9052 : 1978 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of safety for Aluminium Chloride, Anhydrous	January, 2021	1	Indigenous
72	IS 9053 : 1978 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of Safety for m - Dinitrobenzene	January, 2021	1	Indigenous
73	IS 9277 : 1979 Reviewed In : 2021	Code of Safety for Monochlorobenzene	January, 2021	1	Indigenous

74	IS 9278 : 1979 Reviewed In : 2021	Code of Safety for Zinc Phosphide	January, 2021	-	Indigenous
75	IS 9279 : 2023	Clamp, Compression, Muller's Pattern - Specification (First Revision)		-	Indigenous
76	IS 9744 : 1981 Reviewed In : 2021	Code of Safety for Thionyl Chloride	January, 2021	2	Indigenous
77	IS 9785 : 1981 Reviewed In : 2021 Reaffirmed but not taken up for revision	Code of Safety for Aluminium Alkyls	January, 2021	-	Indigenous
78	IS 9786 : 1981 Reviewed In : 2023	Code of Safety for Vinyl Chloride (VCM)	December, 2023	2	Indigenous
79	IS 9787 : 1981 Reviewed In : 2021	Code of Safety for Phosphoryl Chloride	January, 2021	1	Indigenous

### Standards under Development

#### Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	CHD 7 (25644) <span style="color: green;">Revision of: IS 5931:1970</span>	Code of Safety for Cryogenic liquid Part 7 Liquid Neon First Revision

#### Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	CHD 7 (25638) <span style="color: green;">Revision of: IS 5931:1970</span>	Code of Safety for Cryogenic liquid Part 1 Liquid Oxygen First Revision
2	CHD 7 (25639) <span style="color: green;">Revision of: IS 5931:1970</span>	Code of Safety for Cryogenic liquid Part 2 Liquid Nitrogen First Revision
3	CHD 7 (25640) <span style="color: green;">Revision of: IS 5931:1970</span>	Code of Safety for Cryogenic liquid Part 3 Liquid Argon First Revision

#### Finalized Draft Indian Standard

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	CHD 7 (23929) <span style="color: green;">Revision of: IS 6270:1971</span>	PHENOL-CODE OF SAFETY First Revision
2	CHD 7 (23932) <span style="color: green;">Revision of: IS 4560:1968</span>	NITRIC ACID- CODE OF SAFETY First Revision

3	CHD 7 (23934) Revision of: IS 5208:1969	ACETIC ACID - CODE OF SAFETY First Revision
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**Total Published Standards:79 Total Standards Under development:11**

**Aspect Wise Report**

Product : 0  
 Code of Practices : 73  
 Methods of Test : 2  
 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**

SI. No.	IS No. & Year	Title
<i>No Records Found</i>		

**Annexure-II :List of Indian Product Standards**

SI. No.	IS No. & Year	Title
<i>No Records Found</i>		