

## 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 <span style="color: green;">Reviewed In : 2021</span> Reaffirmed but not taken up for revision	Code of Safety for Methyl Ethyl Ketone	January, 2021	1	Indigenous
10	IS 12142:1987 <span style="color: green;">Reviewed In : 2021</span> Reaffirmed but not taken up for revision	Code of Safety for 1,1,1 - Trichloro Ethane	January, 2021	-	Indigenous
11	IS 12143:1987 <span style="color: green;">Reviewed In : 2021</span> Reaffirmed but not taken up for revision	Code of Safety for Tetrachloroethane	January, 2021	1	Indigenous
12	IS 13440:1992 <span style="color: green;">Reviewed In : 2023</span> Reaffirmed but not taken up for revision	Methyl Chloride - Code of Safety	December, 2023	2	Indigenous
13	IS 13441:1992 <span style="color: green;">Reviewed In : 2018</span> Reaffirmed but not taken up for revision	Ethyl ether - Code of safety	December, 2018	2	Indigenous
14	IS 13442:1992 <span style="color: green;">Reviewed In : 2023</span> Reaffirmed but not taken up for revision	Trichloro Ethylene - Code of Safety	December, 2023	-	Indigenous
15	IS 13447:1992 <span style="color: green;">Reviewed In : 2023</span> Reaffirmed but not taken up for revision	P - Nitro Aniline - Code of Safety	December, 2023	2	Indigenous
16	IS 13910:1993 <span style="color: green;">Reviewed In : 2023</span>	Sulphur Dioxide - Code of Safety	December, 2023	-	Indigenous
17	IS 13911:1993 <span style="color: green;">Reviewed In : 2023</span>	Sulphur - Code of Safety	December, 2023	1	Indigenous
18	IS 13914:1993 <span style="color: green;">Reviewed In : 2023</span> Reaffirmed but not taken up for revision	Perchlorates of Ammonium, Potassium and Sodium - Code of Safety	December, 2023	1	Indigenous
19	IS 14165:1995 <span style="color: green;">Reviewed In : 2018</span> 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 <span style="color: green;">Reviewed In : 2021</span>	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 <i>Reviewed In : 2023</i>	1,3 - Butadiene - Code of Safety	August, 2023	-	Indigenous
28	IS 14985:2001 <i>Reviewed In : 2023</i>	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 <i>Reviewed In : 2021</i> 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 <i>Reviewed In : 2023</i>	Hazard Identification and Risk Analysis - Code of Practice	September, 2023	-	Indigenous
34	IS 15738:2007 <i>Reviewed In : 2023</i>	Stable Bleaching Powder - Code of Safety	September, 2023	-	Indigenous
35	IS 16529:2022 ISO 10298: 2018 <i>ISO 10298: 2018</i>	Determination of Toxicity of a Gas or Gas Mixture (First Revision)		-	Identical under dual numbering
36	IS 17752:2021 <i>Reviewed In : 2026</i>	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 (BTTSM)		-	Indigenous
42	IS 4155:2023	Glossary of Terms Relating to Chemical and Radiation Hazards and Hazardous Chemicals (First Revision)		-	Indigenous
43	IS 4209:2013 <i>Reviewed In : 2023</i>	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 <i>Reviewed In : 2023</i>	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 <i>Reviewed In : 2021</i>	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  <span style="color: green;">Reviewed In : 2022</span>	Radiochemical Laboratory - Code of Safety (First Revision)	October, 2022	-	Indigenous
54	IS 5184:1969  <span style="color: green;">Reviewed In : 2021</span>	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  <span style="color: green;">Reviewed In : 2021</span>	Code of Safety for Acetic Anhydride	January, 2021	1	Indigenous
57	IS 5311:1969  <span style="color: green;">Reviewed In : 2021</span>	Code of Safety for Carbon Tetrachloride	January, 2021	1	Indigenous
58	IS 5685:1970  <span style="color: green;">Reviewed In : 2026</span>	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  <span style="color: green;">Reviewed In : 2021</span>	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  <span style="color: green;">Reviewed In : 2021</span> 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  <span style="color: green;">Reviewed In : 2021</span>	Code of Safety for Calcium Carbide	January, 2021	-	Indigenous
67	IS 6953:2025	Bromine - Code of Safety ( First Revision)		-	Indigenous
68	IS 6954:1973  <span style="color: green;">Reviewed In : 2021</span>	Code of Safety for Caustic Potash	January, 2021	1	Indigenous
69	IS 7415:1974  <span style="color: green;">Reviewed In : 2023</span>	Code of Safety for Aniline	December, 2023	-	Indigenous
70	IS 7420:1974  <span style="color: green;">Reviewed In : 2021</span>	Code of Safety for Phthalic Anhydride	January, 2021	1	Indigenous
71	IS 7444:1974  <span style="color: green;">Reviewed In : 2023</span> 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 <span style="color: green;">Reviewed In : 2021</span> Reaffirmed but not taken up for revision	Code of Safety for Mercury	January, 2021	1	Indigenous
74	IS 8185:1976 <span style="color: green;">Reviewed In : 2021</span>	Code of Safety for Phosgene	January, 2021	1	Indigenous
75	IS 8388:2025	Nitrobenzene - Code of Safety (First Revision)		-	Indigenous
76	IS 9052:1978 <span style="color: green;">Reviewed In : 2021</span> Reaffirmed but not taken up for revision	Code of safety for Aluminium Chloride, Anhydrous	January, 2021	1	Indigenous
77	IS 9053:1978 <span style="color: green;">Reviewed In : 2021</span> Reaffirmed but not taken up for revision	Code of Safety for m - Dinitrobenzene	January, 2021	1	Indigenous
78	IS 9277:1979 <span style="color: green;">Reviewed In : 2021</span>	Code of Safety for Monochlorobenzene	January, 2021	1	Indigenous
79	IS 9278:1979 <span style="color: green;">Reviewed In : 2021</span>	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 <span style="color: green;">Reviewed In : 2021</span>	Code of Safety for Thionyl Chloride	January, 2021	2	Indigenous
82	IS 9785:1981 <span style="color: green;">Reviewed In : 2021</span> Reaffirmed but not taken up for revision	Code of Safety for Aluminium Alkyls	January, 2021	-	Indigenous
83	IS 9786:1981 <span style="color: green;">Reviewed In : 2023</span>	Code of Safety for Vinyl Chloride (VCM)	December, 2023	2	Indigenous
84	IS 9787:1981 <span style="color: green;">Reviewed In : 2021</span>	Code of Safety for Phosphoryl Chloride	January, 2021	1	Indigenous

### Standards under Development

#### Projects Approved

SI. No.	Doc No.	Title
1	CHD 7 (28543) <span style="color: green;">Revision of: IS 9278:1979</span>	Zinc Phosphide Code of Safety First Revision

#### Preliminary Draft Standards

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

#### Drafts Standards in WC Stage

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

#### Draft Standards Completed WC Stage

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

### Finalized Draft Indian Standard

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

### Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	CHD 7 (27761) <b>Revision of: IS 5302:1969</b>	Acetic Anhydride Code of Safety First Revision
2	CHD 7 (27772) <b>Revision of: IS 4644:1968</b>	Benzene Toluene and Xylene BTX Aromatics Code of Safety Part 1 Benzene
3	CHD 7 (27773) <b>Revision of: IS 4644:1968</b>	Benzene Toluene and Xylene BTX Aromatics Code of Safety Part 2 Toluene First Revision
4	CHD 7 (27774) <b>Revision of: IS 4644:1968</b>	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

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>		