

Chemical Name CAS-Number	Colour/Form	Boiling Point (°C)	Melting Point (°C)	Molecular Weight	Solubility in Water	Relative Density (water=1)	Relative Vapour Density (air=1)	Vapour Pressure/ (Kpa)	Inflam. Limits	Flash Point (°C)	Auto Ignition Point (°C)
BORON 7440-42-8	polymorphic: alpha-rhombohedral form, clear red crystals; beta-rhombohedral form, black; alpha-tetragonal form, black, opaque crystals with metallic luster; amorphous form, black or dark brown powder; other crystal forms known	2550	2300	10.81	insol	Amorphous, 2.3 g/cm <sup>3</sup> ; alpha-rhombohedral, - 2.46 g/cm <sup>3</sup> ; - alpha-tetragonal, - 2.31 g/cm <sup>3</sup> ; - beta-rhombohedral, - 2.35 g/cm <sup>3</sup>		1.56x 10 <sup>-5</sup> @ 2140 °C			580
BORIC ACID, DISODIUM SALT 1330-43-4	powder or glass-like plates; white, free-flowing crystals; light grey solid	1575	741	201.3	2.56 g/100 g	2.367					
BORON OXIDE 1303-86-2	rhombic crystals; colourless, semitransparent lumps or hard, white crystals	1860	450	69.6	2.77 g/100 g	1.8 (amorphous); 2.46 (crystalline)					
BORON TRIBROMIDE 10294-33-4	colourless liquid	90	-46.0	250.57	reacts	2.6431 @ 18.4 °C/4 °C	8.6	5.3 @ 14 °C			
BORON TRICHLORIDE 10294-34-5		12.5	-107	117.16		1.35 @ 12 °C/4	4.03	2.99 Pa @ 12.4 °C			
BORON TRIFLUORIDE 7637-07-2	colourless gas	-99.9	-126.8	67.82	reacts	3.08g/1.57 l @ 4 °C	2.4	10 mm Hg @ -141 °C. (solid); 760 mm Hg 110.7 °C (liquid)			
BORON TRIFLUORIDE ETHERATE 109-63-7	liquid; colourless	125.7	-60.4	141.94		1.3572				64 oc	
DECABORANE 17702-41-9	white crystals; orthorhombic crystals; colourless or white crystalline needles	213	99.5	122.21	sl sol	solid: 0.94 @ 25 °C; liquid: 0.78 @ 100 °C	4.2	6.65 Pa @ 25 °C		80 cc	149
DIBORANE 19287-45-7	colourless gas	-92.5	-165	27.69	sl sol	0.210 @ 15 °C	0.96	224 mm Hg @ -112 °C	0.8 ll 88 ul	flammabl e gas	40-50
PENTABORANE 19624-22-7	colourless liquid	60	-46.6	63.2	reacts	0.61 @ 0 °C/4 °C	2.2	22.8	0.42 ll 98 ul	30 cc	35
SODIUM PERBORATE 7632-04-4	white, amorphous powder			81.80							
SODIUM TETRAHYDROBORATE	white cubic crystal; white to gray-white	400 decomp slowly; 500	36	37.8	v sol	1.07					

16940-66-2	microcrystalline powder or lump	decoMelting Point rapidly									
SODIUM TETRABORATE DECAHYDRATE 1303-96-4	colourless, monoclinic crystals; hard crystals, granules or crystalline powder; white, gray, bluish or greenish white streak, vitreous or dull luster	320	75	381.4	5.92 g/100 g	1.73					
TRIETHYLBORANE 97-94-9	colourless liquid	95-96	-92.9	98.00		0.6961 mm Hg @ 23 °C					
TRIMETHYL BORATE 121-43-7	water-white liquid	67-68	-29.3	103.9	reacts	0.91	3.6	137 mm Hg @ 25 °		< 27 cc	