

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)
<i>n</i> -BUTYLMERCAPTAN 109-79-5	colourless liquid	98.4	-115.7	90.2	sl sol	0.8337	3.1	4.0		2 cc	<225
<i>tert</i> -BUTYLMERCAPTAN 75-66-1	mobile liquid; colourless liquid	64	-0.5	90.2	insol	0.8002	3.1	19.0		-26 cc	
CETYLMERCAPTAN 2917-26-2	liquid or solid	184	18		insol	0.84	8.9	10 Pa		135	
CYCLOHEXYLMER- CAPTAN 1569-69-3	liquid	158	-118	116.2	insol	0.9782	4.00	1.3		43 cc	
DECYLMERCAPTAN 143-10-2	colourless liquid	241	-26	174.3	insol	0.84	6.0	<10 Pa			
DODECYLMERCAPTAN 112-55-0	water-white to pale yellow liquid; oily colourless liquid	142-145 @ 15 mm Hg	-7	202.4	insol	0.8450	7.0	0.33 @ 25 °C		1278 oc	230
ETHYLMERCAPTAN 75-08-1	colourless liquid	35	-144.4	62.13	sl sol	0.83907	2.14	589	2.8 ll 18.0 ul	-483	299
<i>n</i> -HEPTYLMERCAPTAN 1639-09-4		177	-43	132.26	insol	0.8427					
<i>n</i> -HEXYLMERCAPTAN 111-31-9		151	-81	118.23	insol	0.8424					
2-MERCAPTOETHANOL 60-24-2	water-white mobile liquid	157-158 @ 742 mm Hg		78.13	sol	1.1143	2.7	1.00 mm Hg			
METHYLMERCAPTAN 74-93-1	water-white liquid when below boiling point, or colourless gas	5.9	-123	48.1	sl sol	0.8665	1.66	1520 mm H g @ 26.1 °C	3.9 ll 21.8 ul	-18	
METHANESULFONYL CHLORIDE 124-63-0	pale yellow liquid	62 @ 18 mm Hg	-32	114.55	insol	1.4573					
OCTADECANETHIOL 2885-00-9	solid	205-209	25			0.8420					
<i>n</i> -OCTANETHIOL 111-88-6	water-white liquid	199.1	-49.2	146.30		0.8433				46	
1-PENTANETHIOL 110-66-7	liquid	126.6 @ 460 mm Hg	-75.7	104.21	insol	0.8421	3.59	13.8 mm Hg @25 °C		18 oc	
PERCHLOROME- THYLMERCAPTAN 594-42-3	oily, yellow liquid; yellow to orange-red	147.5		185.88	insol	1.6947	6.414	3 mm Hg			
PHENYLMERCAPTAN 108-98-5	water-white liquid; prism- like crystals from petroleum ether	168	-14.8	110.17	insol	1.0766	3.8	0.13 @ 18 °C		<55	
PROPANETHIOL 107-03-9	colourless, mobile liquid	67-68	-113.3	76.17	sl sol	0.8411 g/ml		154.2 mm H g @ 25 °C		-20	
SODIUM	white to light yellow		>300		sol	1.0 for 60%					

DODECYLBENZENE-SULFONATE 25155-30-0	flakes, granules, or powder					slurry					
THIOACETAMIDE 62-55-5	crystals from benzene; colourless leaflets; crystals from alc, plates from ether		116	75.1	v sol						
THIOACETIC ACID 507-09-5	yellow liquid	93	<-17	76.1	sl sol	1.064	2.62			18-21	
2,2'-THIODIETHANOL 111-48-8		164-166	-10	122.2		1.1819					
THIOGLYCOLIC ACID 68-11-1	colourless liquid	120 @ 20 mm Hg	-16.5	92.1	misc	1.3253		10 torr @ 18 °C			