Blend Type	Composition	Specific density (20°C)	Boiling point [°C]	Flash point [°C]	Viscosity (20 °C) [cP]	Odor threshold
Alerton 88 Spotleak 1013	THT 100 %	1.000 (20°C)	115	<13	1.04	1 ppb
Alerton 452 Spotleak 1001	TBM 80 % DMS 20 %	0.816 (20°C)	50	<-32	0.52	0.1 ppb
Alerton 541	TBM 50 % DMS 50 %	0.830 (20°C)	36	<-34	0.41	N/A
Alerton 841 Penndorant 1005	THT 70% TBM 30 %	0.930 (20°C)	60	<-18	0.93	N/A
Alerton 841 P	THT 65 % TBM 35 %	0.931 (20°C)	65	<-20	0.92	N/A
Alerton 842	THT 95 % TBM 5%	0.991 (20°C)	65	<-4.4	0.98	N/A
Alerton 843	THT 85 % TBM 15 %	0.969 (20°C)	65	<-6.8	0.96	N/A
Alerton 1440	IPM 80 % NPM 10 % TBM 10 %	0.820 (20°C)	50	<-17	N/A	N/A
Spotleak 1007	TBM 80 % MES 20 %	0.815 (15.5°C)	63	<-18	0.55	0.1 ppb
Spotleak 1009	TBM 79 % IPM 15 % NPM 6 %	0.812 (15.5°C)	62	<-18	0.570	0.1 ppb
Spotleak 1039	THT 50 % TBM 50 %	0.904 (15.5°C)	67	<-12	N/A	N/A
Spotleak 1420	TBM 75 % DMS 25 %	0.825 (15.5°C)	54	<-18	0.49	0.1 ppb
Spotleak 1450	IPM 70% TBM 10 % DMS 10 % NPM 10 %	0.825 (15.5°C)	53	<-18	0.570	0.1 ppb
Spotleak 2323	TBM 50 % NPM 50 %	0.826 (15.5°C)	62	<-18	N/A	0.1 ppb
Gasodor S-free	Methyl acrylate 37.4 % Ethyl acrylate 60 % Methylethyl pyrazine 2.5 %	0.930 (20°C)	<130	<5	N/A	N/A

Table 1. Basic properties of common odorant blends (Sources: Arkema; Symrise)

3. Odorizing systems

In the odorization process an essential step is to select the right tool in this case a suitable odorizing system. From the technical point of view odorizers should be divided into two basic groups according to the system in which odorants are introduced into the gas stream which are:

- Chemical vaporization
- Chemical injection.