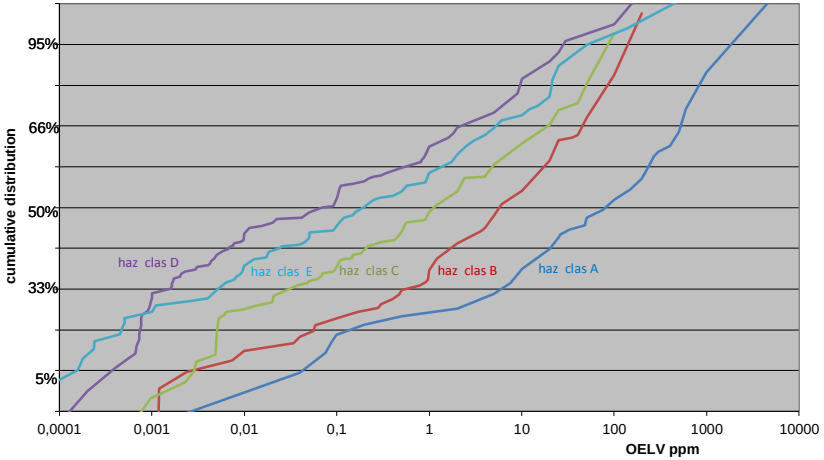
Descriptives of the OEL distributions per EMKG_HOI hazard class

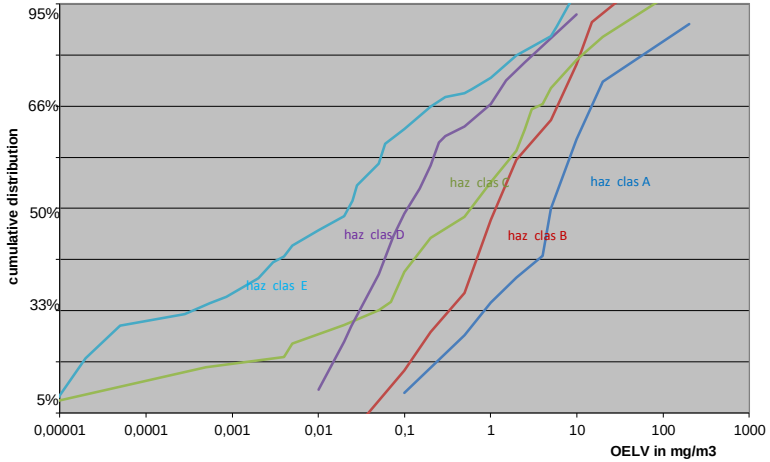
EMKG_HOI hazard group	# of ppm OEL analyzed	GM	GSD	GMg	GSDg	df_g	k	k_g	Lowest OEL	distribution free OEL 10%	log-Normal OEL10%	censored log-Normal OELg10%	proposedk ickoff 2014	EMKG_HOI Luftkonzentration sbereiche	Highest OEL	distribution free OEL 90%	log-Normal OEL 90%	censored log-Normal OELg 90%	unit	Lognormal spread range 90%/10%	non Par spread range 90%/10%
E	110	0,15	36,63				1,289		6,04744E-07	0,001	0,001389269		0,001	c ≤ 0,05	650	12,8	15,6243096		ppm	11246,43	12800,00
D	180	0,18	36,84	0,05	38,10	112	1,286	1,289	0,0001	0,000999934	0,001731948	0,0004695	0,0005	0,05 < c ≤ 0,5	200	20	19,014179	5,8332201	ppm	10978,50	20001,32
C	122	0,61	16,31	0,94	23,28	146	1,289	1,287	0,000553223	0,006111793	0,016442951	0,0161015	0,01	0,5 < c ≤ 5	100	20	22,5693249	54,7600229	ppm	1372,58	3272,36
B	112	4,07	12,44				1,289		0,001176523	0,180964345	0,155459845		0,2	5 < c ≤ 50	200	50	106,466607		ppm	684,85	276,30
A	105	38,65	16,33				1,290		0,002	0,51428486	1,035497317		2	50 < c ≤ 500	5000	600	1442,80743		ppm	1393,35	1166,67
	629																		GM=	1947,31	2143,19

EMKG_HOI hazard group	# of mg/m3 OEL analyzed	GM	GSD	GMg	GSDg	df_g	k	k_g	Lowest OEL	distribution free OEL 10%	log-Normal OEL10%	censored log-Normal OELg10%	proposedk ickoff 2014	EMKG_HOI Luftkonzentration sbereiche	Highest OEL	distribution free OEL 90%	log-Normal OEL 90%	censored log-Normal OELg 90%	unit	Lognormal spread range 90%/10%	non Par spread range 90%/10%
E	143	0,01	35,84	0,012	33,44	116	1,288	1,289	0,00000001	5,00E-05	1,17E-04	0,0001235	0,0001	c ≤ 0,001	10	1	1,21864413	1,09100115	mg/m3	10388,50	20000,00
D	68	0,29	13,42				1,294		0,004	0,02	0,009821264		0,02	0,001 < c ≤ 0,01	200	10	8,56968003		mg/m3	872,56	500,00
C	71	0,15	34,29				1,294		0,000005	0,0009	0,001507417		0,01	0,01 < c ≤ 0,1	20	3	15,0801803		mg/m3	10003,98	3333,33
B	43	1,37	4,01				1,302		0,1	0,26	0,220382999		0,2	0,1 < c ≤ 1	70	9	8,54851578		mg/m3	38,79	34,62
A	13	3,28	4,25				1,356		0,1	0,6	0,427453796		0,5	1 < c ≤ 10	20	10	25,1027668		mg/m3	58,73	16,67
	338																		GM=	729,48	453,73

OELV distributions vapours per EMKG-HOI grouped hazard classification



OELV distributions solids per EMKG-HOI grouped hazard classification



AVOVA	fractie verklaarde variantie van het	0,29367			
	P-waarde	7,2E-46			
K-W	p-value	7,9E-47			
regressie untransformed	coef	-49,146			
	5%	-63,614			
	95%	-34,677			
	p-value	5,8E-11			
	intercept=cut-off point	201,863			
	pvalue	1,5E-15			
regressie log transformed	coef	-0,6713			
	5%	-0,7542			
	95%	-0,5884			
	decrease multiplier per hazard class	0,21315	0,1761	0,26	
	p-value	1,1E-47			
	cut-off point	2,01644			
	p-value	4,7E-40			
Page	Page test / Upper-tailed test:	15,839			
	L*	7685,2			

AVOVA	fractie verklaarde variantie van het	0,26655096			
	p-Value	1,7417E-21			
K-W	pvalue	8,9812E-29			
regressie untransformed	coef	-2,6738079			
	5%	-4,063894			
	95%	-1,2837217			
	p-value	0,00018522			
	intercept=cut-off point	13,1902875			
	pvalue	3,0287E-06			
regressie log transformed	coef	-0,6681896			
	5%	-0,7871129			
	95%	-0,5492663			
	decrease multiplier per hazard class	0,21468932	0,16326	0,282314857	
	p-value	4,2415E-24			
	snijpunt	1,48152361			
	pvalue	1,4149E-09			
Page	Page test / Upper-tailed test:	12,87837577			
	p-value L*	4105,8			

EMKG_HOI 2009	29. Kahl A., Wilmes A., Ch. Guhe, R. Packroff, G. Lotz, M. Tischer. Einfaches Maßnahmenkonzept Ge-fahrstoffe (EMKG) Version 2.2. Eine Handlungsanleitung zur Gefährdungsbeurteilung für Sicherheits-fachkräfte und andere fachkundige Personen. BAUA. Bundesanstalt für Arbeitsschutz und Arbeits-medizin. Dortmund/Berlin/Dresden 2012.				
hazard group	E	D	C	B	A
H_Statements	H334, H340, H341, H350	H300, H310, H330, H351, H360, H361, H362, H372	H301, H311, H314, H317, H318, H331, H335, H370, H373	H302, H312, H332, H371	H303, H304, H305, H313, H315, H316, H319, H320, H333, H336 and all H-numbers not otherwise listed
Kick-off level for gas/vapor in ppm	0,001	0,0005	0,01	0,2	2
Kick-off level for dusts in mg/m3	0,0001	0,02	0,01	0,2	0,5
EMKG_HOI ppm	c ≤ 0,05	0,05 < c ≤ 0,5	0,5 < c ≤ 5	5 < c ≤ 50	50 < c ≤ 500
EMKG_HOI mg/m3	c ≤ 0,001	0,001 < c ≤ 0,01	0,01 < c ≤ 0,1	0,1 < c ≤ 1	1 < c ≤ 10
# of ppm OEL analyzed	110	180	122	112	105
# of mg/m3 OEL analyzed	143	68	71	43	13