Benefits and costs of regulating and restricting chemicals: The European Union's REACH system and its effects on the Austrian economy

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SUPPLEMENTARY MATERIAL

Cases of premature retirements and fatalities owing to occupational accidents or diseases (new entries, 2013) caused by the exposure to chemicals

	No. of injuries														
	Slightly injured[a]					*Severely injured*[a]							*Total premature retirements*	*Fatalities*	*Total (diseases and fatalities)*
	0 to 19%	*20 to 29%*	*30 to 39%*	*40 to 49%*	*Total*	*50 to 59%*	*60 to 69%*	*70 to 79%*	*80 to 89%*	*90 to 99%*	*100%*	*Total*			
Dermatitis (skin diseases)	2	1,090	69	14	1,175	8	2	-	-	-	-	10	1,185	1	1,186
Diseases such as bronchial asthma (incl. rhinopathy) caused by allergenic substances	-	312	123	48	483	18	12	9	8	3	5	55	538	27	565
Diseases caused by irritating or toxic chemical substances such as lower respiratory tract infections	1	336	173	54	564	53	20	14	10	-	17	114	678	39	717
Exogenous allergic alveolitis	-	11	4	6	21	2	-	-	2	-	2	6	27	3	30
Skin cancer	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Cancer and other newly developed tumors caused by, e.g., haloaromatics	-	1	2	1	4	3	3	-	2	-	2	10	14	6	20
Total	3	1,750	371	123	2,247	84	37	23	22	3	26	195	2,442	77	2,519

[a] Along a standardized system of medical indicators, injuries or diseases are classified according to their seriousness; the percentage values give an impression of the extent to which workers are affected by their health problems in their daily life.

Source: Own calculations based on a special analysis by AUVA (2014).

Cases of treatment in hospitals owing to ICD-10 diseases ("T51-T65: Toxic effects of substances chiefly non-medical as to source") in Austria (2001-2012)

T51-T65: Toxic effects of substances chiefly non-medical as to source	*2001*	*2002*	*2003*	*2004*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*
Toxic effects of … other gases, fumes and vapours	418	453	366	347	428	471	406	400	332	293	334	344
… carbon monoxide	195	206	216	222	194	225	237	192	211	264	312	256
… organic solvents	38	36	35	26	17	18	25	17	21	24	20	19
… corrosive substances	21	17	20	17	18	27	19	16	11	18	43	12
… soaps and detergents	22	19	20	28	20	15	15	16	19	9	12	16
… metals	8	10	12	13	9	8	10	7	15	11	7	13
… pesticides	12	11	11	5	10	4	7	9	11	4	14	5
… halogen derivatives of aliphatic and aromatic hydrocarbons	6	2	9	3	6	8	4	3	10	5	1	4
… other inorganic substances	5	8	5	5		6	4	4	6	3	1	7
Total	725	762	694	666	702	782	727	664	636	631	744	676

Source: Own calculations based on a special analysis by the Austrian Association for Road Safety (2014)

References

AUVA. 2014. *Data on Accidents in Households and at the Workplace, Special Analysis of Work-place Health Risks.* www.auva.at [accessed May 2014].

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