

Table of Occupational Exposure Limit values (in mg/m³)

The following table shows the Occupational Exposure Limits (OEL) in mg/m³ for quartz, cristobalite and tridymite in application in European countries

Country	OEL Name	Adopted by	Quartz (q)	Cristobalite (c)	Tridymite (t)
Austria	Maximale ArbeitsplatzKonzentration	Bundesministerium für Arbeit und Soziales	0,15	0,15	0,15
Belgium		Ministère de l'Emploi et du Travail	0,1	0,05	0,05
Denmark	Threshold Limit Value	Direktoratet for Arbejdstilsynet	0,1	0,05	0,05
Finland	Occupational Exposure Standard	National Board of Labour Protection	0,2	0,1	0,1
France	Empoussiérage de référence	Ministère de l'Industrie (RGIE)	5 or 25k/Q		
	Valeur limite de Moyenne d'Exposition	Ministère du Travail	0,1	0,05	0,05
Germany	Grenzwert nach TRGS 900	Bundesministerium für Arbeit	0,15	0,15	0,15
Greece		Legislation for mining activities	0,1	0,05	0,05
Ireland		2002 Code of Practice for the Safety, Health & Welfare at Work (CoP)	0,05	0,05	0,05
Italy	Threshold Limit Value	Associazione Italiana Degli Igienisti Industriali	0,05	0,05	0,05
Luxembourg	Grenzwert nach TRGS 900	Bundesministerium für Arbeit	0,15	0,15	0,15
Netherlands	Maximaal Aanvarde Concentratie	Ministerie van Sociale Zaken en Werkgelegenheid	0,075	0,075	0,075
Norway	Administrative Normer (8hTWA) for Forurensing i Arbeidsmiljøet	Direktoratet for Arbeidstilsynet	0,1	0,05	0,05
Portugal	Threshold Limit Value	Instituto Portuges da Qualidade, Hygiene & Safety at Workplace	0,1	0,05	0,05
Spain	Valores Limites	Instituto Nacional de Seguridad e Higiene en el Trabajo	0,1		
		Instrucciones de Técnicas Complementarias (ITC)	0,1	0,05	0,05
		Reglamento General de Normas Basicas de Seguridad Minera	5 or 25k/Q		
Sweden	Yrkeshygieniska Gränsvärden	National Board of Occupational Safety and Health	0,1	0,05	0,05
Switzerland	Valeur limite de Moyenne d'Exposition		0,15	0,15	0,15
United Kingdom	Maximum Exposure Limit	Health & Safety Executive	0,3	0,3	0,3

Q : quartz percentage

Source : Adapted from IMA-Europe

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OELs are applicable to 100 % quartz, cristobalite or tridymite.

Some countries have special rules for mixed dust, e.g. in France the following equation is applied: $C_{ns}/5 + C_q/0.1 + C_c/0.05 + C_t/0.05 \leq 1$ (C = mean concentration, ns = non silicogen)
k=1