

Refractory Ceramic Fibers [142844-00-6]

Results of Testing¹

Chemical Name	CAS No.	Company Names	Study Code/Type	Protocol/Guideline	Results	Reference
Refractory Ceramic Fibers	142844-00-6	Carborundum Company, Premier Refractories and Chemicals, Inc., and Thermal Ceramics Inc.	EFHYGN Workplace exposure monitoring	NIOSH Methods 7400, 7500	First Year: Fraction of RCF fibers less than 1 fiber/cm ³ was 95%, 85%, and 89% for manufacturing samples, customer samples, and overall. Weighted average TWAs are 0.190 and 0.493 fibers/cm ³ for manufacturers and customers, respectively.	59 FR 747; 1/06/94, 59 FR 35120; 7/08/94, Docket OPPTS-42166
Refractory Ceramic Fibers	142844-00-6	Carborundum Company, Premier Refractories and Chemicals, Inc., and Thermal Ceramics Inc.	EFHYGN Workplace exposure monitoring	NIOSH Methods 7400, 7500	Second Year: Fraction of RCF fibers less than 1 fiber/cm ³ was 93%, 88%, and 90% for manufacturing samples, customer samples, and overall. Weighted average TWAs are 0.200 and 0.350 fibers/cm ³ for manufacturers and customers, respectively.	60 FR 1775; 1/05/95, 60 FR 34532; 7/03/95 Docket OPPTS-42166
Refractory Ceramic Fibers	142844-00-6	Carborundum Company, Premier Refractories and Chemicals, Inc., and Thermal Ceramics Inc.	EFHYGN Workplace exposure monitoring	NIOSH Methods 7400, 7500	Third Year: Fraction of RCF fibers less than 1 fiber/cm ³ was 96%, 87%, and 91% for manufacturing samples, customer samples, and overall. Weighted average TWAs are 0.212 and 0.314 fibers/cm ³ for manufacturers and customers, respectively. Only 6 of 34 cassettes analyzed for crystalline quartz were above the detection limit and neither cristobalite nor tridymite was detected in any sample. The average concentration for crystalline silica was 0.019 mg/m ³ .	61 FR 3936; 2/02/96, 61 FR 47752; 9/10/96 Docket OPPTS-42166
Refractory Ceramic Fibers	142844-00-6	Carborundum Company, Premier Refractories and Chemicals, Inc., and Thermal Ceramics Inc.	EFHYGN Workplace exposure monitoring	NIOSH Methods 7400, 7500		due 1/97, 6/97
Refractory Ceramic Fibers	142844-00-6	Carborundum Company, Premier Refractories and Chemicals, Inc., and Thermal Ceramics Inc.	EFHYGN Workplace exposure monitoring	NIOSH Methods 7400, 7500		due 1/98, 6/98

¹ 1 Fiber/cm³ is the industry's recommended exposure guideline and also OSHA's permissible exposure limit (PEL). OSHA's PEL for crystalline quartz is 0.1 mg/m³.