

8. Exposure controls/personal protection

Occupational exposure limits

U.S. - OSHA Components

Type	Value
Chromite (CAS 1308-31-2)	PEL 0.5 mg/m3

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) Components

Type	Value	Form
Aluminum oxide (CAS 1344-28-1)	PEL 5 mg/m3	Respirable fraction.
	15 mg/m3	Total dust.
Copper (CAS 7440-50-8)	PEL 1 mg/m3	Dust and mist.
	0.1 mg/m3	Fume.
Graphite (CAS 7782-42-5)	PEL 5 mg/m3	Respirable fraction.
	15 mg/m3	Total dust.
Magnesium oxide (CAS 1309-48-4)	PEL 15 mg/m3	Total particulate.
Tin sulphide (CAS 1314-95-0)	PEL 2 mg/m3	

US. OSHA Table Z-3 (29 CFR 1910.1000) Components

Type	Value	Form
Aluminum oxide (CAS 1344-28-1)	TWA 5 mg/m3	Respirable fraction.
	15 mg/m3	Total dust.
	50 mppcf	Total dust.
	15 mppcf	Respirable fraction.
Graphite (CAS 7782-42-5)	TWA 15 mppcf	
Magnesium oxide (CAS 1309-48-4)	TWA 5 mg/m3	Respirable fraction.
	15 mg/m3	Total dust.
	50 mppcf	Total dust.
	15 mppcf	Respirable fraction.
Mica (CAS 12001-26-2)	TWA 20 mppcf	

US. ACGIH Threshold Limit Values Components

Type	Value	Form
Aluminum oxide (CAS 1344-28-1)	TWA 1 mg/m3	Respirable fraction.
Copper (CAS 7440-50-8)	TWA 1 mg/m3	Dust and mist.
	0.2 mg/m3	Fume.
Graphite (CAS 7782-42-5)	TWA 2 mg/m3	Respirable fraction.
Magnesium oxide (CAS 1309-48-4)	TWA 10 mg/m3	Inhalable fraction.
Mica (CAS 12001-26-2)	TWA 3 mg/m3	Respirable fraction.
Tin sulphide (CAS 1314-95-0)	TWA 2 mg/m3	

US. NIOSH: Pocket Guide to Chemical Hazards Components

Type	Value	Form
Copper (CAS 7440-50-8)	TWA 1 mg/m3	Dust and mist.
	0.1 mg/m3	Fume.
Graphite (CAS 7782-42-5)	TWA 2.5 mg/m3	Respirable.
Mica (CAS 12001-26-2)	TWA 3 mg/m3	Respirable.