

## 8. Exposure controls/personal protection

### Occupational exposure limits

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

Components	Type	Value	Form
Barium sulphate (CAS 7727-43-7)	PEL	5 mg/m3	Respirable fraction.
Calcium silicate (CAS 1344-95-2)	PEL	15 mg/m3 5 mg/m3	Total dust. Respirable fraction.
Copper (CAS 7440-50-8)	PEL	15 mg/m3 1 mg/m3	Total dust. Dust and mist.
Graphite (CAS 7782-42-5)	PEL	0.1 mg/m3 5 mg/m3	Fume. Respirable fraction.
Magnesium oxide (CAS 1309-48-4)	PEL	15 mg/m3 15 mg/m3	Total dust. Total particulate.
Tin sulphide (CAS 1314-95-0)	PEL	2 mg/m3	
Zirconium dioxide (CAS 1314-23-4)	PEL	5 mg/m3	

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

Components	Type	Value
Graphite (CAS 7782-42-5)	TWA	15 mppcf

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Barium sulphate (CAS 7727-43-7)	TWA	5 mg/m3	Inhalable fraction.
Calcium silicate (CAS 1344-95-2)	TWA	10 mg/m3	
Copper (CAS 7440-50-8)	TWA	1 mg/m3 0.2 mg/m3	Dust and mist. Fume.
Graphite (CAS 7782-42-5)	TWA	2 mg/m3	Respirable fraction.
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Inhalable fraction.
Tin sulphide (CAS 1314-95-0)	TWA	2 mg/m3	
Zirconium dioxide (CAS 1314-23-4)	STEL	10 mg/m3	
	TWA	5 mg/m3	

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Barium sulphate (CAS 7727-43-7)	TWA	5 mg/m3	Respirable.
Calcium silicate (CAS 1344-95-2)	TWA	10 mg/m3 5 mg/m3	Total Respirable.
Copper (CAS 7440-50-8)	TWA	10 mg/m3 1 mg/m3	Total Dust and mist.
Graphite (CAS 7782-42-5)	TWA	2.5 mg/m3	Respirable.
Tin sulphide (CAS 1314-95-0)	TWA	2 mg/m3	
Zirconium dioxide (CAS 1314-23-4)	STEL	10 mg/m3	
	TWA	5 mg/m3	

#### Biological limit values

No biological exposure limits noted for the ingredient(s).

#### Appropriate engineering controls

Use explosion-proof electrical equipment if airborne dust levels are high. Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of dust.