

**Environmental precautions**

Avoid discharge into drains, water courses or onto the ground. Collect and dispose of spillage as indicated in Section 13 of the SDS.

**7. Handling and storage****Precautions for safe handling**

Provide adequate ventilation. Avoid dust formation. Avoid inhalation of dust and contact with skin and eyes. Use work methods which minimize dust production. See Section 8 of the SDS for Personal Protective Equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Store in tightly closed original container. Avoid conditions which create dust. Protect against direct sunlight.

**8. Exposure controls/personal protection****Occupational exposure limits****U.S. - OSHA****Components****Type****Value****Form**

Calcined petroleum coke  
(CAS 64743-05-1)

PEL

5 mg/m<sup>3</sup>

Respirable fraction.

Carbon (CAS 7440-44-0)

PEL

15 mg/m<sup>3</sup>

5 mg/m<sup>3</sup>

15 mg/m<sup>3</sup>

Total dust.

Respirable fraction.

Total dust.

**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/m<sup>3</sup>

Respirable fraction.

Antimony sulfide (CAS  
1345-04-6)

PEL

15 mg/m<sup>3</sup>

0.5 mg/m<sup>3</sup>

Total dust.

Barium sulphate (CAS  
7727-43-7)

PEL

5 mg/m<sup>3</sup>

Respirable fraction.

Copper (CAS 7440-50-8)

PEL

15 mg/m<sup>3</sup>

1 mg/m<sup>3</sup>

0.1 mg/m<sup>3</sup>

Total dust.

Dust and mist.

Fume.

Graphite (CAS 7782-42-5)

PEL

5 mg/m<sup>3</sup>

15 mg/m<sup>3</sup>

15 mg/m<sup>3</sup>

Respirable fraction.

Total dust.

Total particulate.

Magnesium oxide (CAS  
1309-48-4)

PEL

Zirconium dioxide (CAS  
1314-23-4)

PEL

5 mg/m<sup>3</sup>

Zirconium silicate  
(ZrO<sub>2</sub>·SiO<sub>2</sub>) (CAS  
10101-52-7)

PEL

5 mg/m<sup>3</sup>

**US. OSHA Table Z-3 (29 CFR 1910.1000)****Components****Type****Value****Form**

Aluminum oxide (CAS  
1344-28-1)

TWA

5 mg/m<sup>3</sup>

Respirable fraction.

Barium sulphate (CAS  
7727-43-7)

TWA

15 mg/m<sup>3</sup>

50 mppcf

15 mppcf

5 mg/m<sup>3</sup>

Total dust.

Total dust.

Respirable fraction.

Respirable fraction.

Carbon (CAS 7440-44-0)

TWA

15 mg/m<sup>3</sup>

50 mppcf

15 mppcf

5 mg/m<sup>3</sup>

15 mg/m<sup>3</sup>

Total dust.

Total dust.

Respirable fraction.

Respirable fraction.

Total dust.

Graphite (CAS 7782-42-5)

TWA

15 mppcf

Magnesium oxide (CAS  
1309-48-4)

TWA

5 mg/m<sup>3</sup>

Respirable fraction.

15 mg/m<sup>3</sup>

50 mppcf

15 mppcf

Total dust.

Total dust.

Respirable fraction.

Mica (CAS 12001-26-2)

TWA

20 mppcf

Mullite (CAS 1302-93-8)

TWA

5 mg/m<sup>3</sup>

Respirable fraction.