

## Safety Data Sheet

Issue Date: 2009/3

Revised: 2018/1

Side:3/5

### Graphite (7782-42-5)

ACGIH: 2 mg/m<sup>3</sup> TWA (respirable fraction, all forms except graphite fibers )OSHA: 2.5mg/m<sup>3</sup> TWA (respirable dust ).NIOSH: 3mg/m<sup>3</sup> TWA (respirable dust ).

### Barium sulfate (7727-43-7)

ACGIH: 10 mg/m<sup>3</sup> TWAOSHA: 10 mg/m<sup>3</sup> TWA (total dust ); 5 mg/m<sup>3</sup> TWA (respirable fraction)NIOSH: 10 mg/m<sup>3</sup> TWA (total dust ); 5 mg/m<sup>3</sup> TWA (respirable dust )

### Calcium hydroxide (1305-62-0 )

ACGIH: 5 mg/m<sup>3</sup> TWAOSHA: 5 mg/m<sup>3</sup> TWA (not in effect as a result of reconsideration)NIOSH: 5 mg/m<sup>3</sup> TWA

### copper (7440-50-8)

ACGIH: 0.2 mg/m<sup>3</sup> TWA (fume); 1mg/m<sup>3</sup> TWA (dusts and mists, as Cu )OSHA: 0.1mg/m<sup>3</sup> TWA (fume ,dusts , mists, as Cu )NIOSH: 1mg/m<sup>3</sup> TWA(dusts and mists); 0.1mg/m<sup>3</sup> TWA (fume)

### 8.1.2 Exposure limits for Particulates not other wise regulated (Nuisance dust)

OSHA:

PEL: 15mg/m<sup>3</sup> total dust ; 5 mg/m<sup>3</sup> respirable fraction

ACGIH:

TLV: 10mg/m<sup>3</sup> total dust ; 3 mg/m<sup>3</sup> respirable fraction

### 8.2 General Measures for Protection and Hygienic: Don't eat, drink or smoke while working.

8.3 Respiratory Protection: Use NIOSH-approved respirator if exposure to dust in concentrations exceeding PEL's or TLV's is possible.

8.4 Hand Protection: Wash thoroughly after handling.

8.5 Body Protection: Wear light protecting clothes.

## 9. Physical and Chemical Properties

### 9.1 Characteristics

9.1.1 Physical State:	Solid
9.1.2 Color:	Grey
9.1.3 Odor:	Not characteristic
9.1.4 Density @20°C	2.2 g/cm <sup>3</sup>
9.1.5 Solubility:	Practically insoluble in water
9.1.6 pH @20°C	11

## 10. Stability and Reactivity

10.1 Substances to be avoided: See Section 7.2.1

10.2 Chemical Stability: the product is stable under normal ambient temperature and pressure