

Safety Data Sheet

Issue Date: 2004/12

Revised: 2018/1

Side3/5

Graphite (7782-42-5)

ACGIH: 2 mg/m³ TWA (respirable fraction, all forms except graphite fibers)

OSHA: 2.5mg/m³ TWA (respirable dust).

NIOSH: 2.5mg/m³ TWA (respirable dust).

Aluminum oxide (1344-28-1)

ACGIH: 10 mg/m³ TWA (as Al, particulate matter containing no asbestos and <1% crystalline silica)

OSHA: 10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)

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

OSHA:

PEL: 15mg/m³ total dust ; 5 mg/m³ respirable fraction

ACGIH:

TLV: 10mg/m³ total dust ; 3 mg/m³ 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	3.3 g/cm ³
9.1.5 Solubility:	Practically insoluble in water
9.1.6 pH @20°C	8.5

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

10.3 Hazardous Decomposition Products:

At temperature > 300°C depending on reaction conditions in changing composition: CO, H, phenol-aromatic and aliphatic hydro-carbonic.

10.4 Possibility of Hazardous Reactions: None expected.