

Material Safety Data Sheet

Issue Date: 2015/12

Revised: 2016/1

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 Hygiene:** 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:** Wear protective rubber gloves; 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, H₂, phenol-aromatic and aliphatic hydro-carbonic.**10.4 Possibility of Hazardous Reactions:** None expected.