

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value	Form
Barium sulphate (CAS 7727-43-7)	TWA	5 mg/m3	Respirable dust.
Graphite (CAS 7782-42-5)	TWA	10 mg/m3	Total dust.
Magnesium oxide (CAS 1309-48-4)	TWA	2 mg/m3	Respirable dust.
		10 mg/m3	Fume.

Mexico. Occupational Exposure Limit Values

Components	Type	Value	Form
Graphite (CAS 7782-42-5)	TWA	10 mg/m3	
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Fume.

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.

Personal protective equipment

Eye / face protection Wear approved safety goggles.

Skin protection Wear protective gloves (i.e. latex, nitrile). Wear suitable protective clothing. Suitable gloves can be recommended by the glove supplier.

Respiratory protection If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. During dust-raising work: In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 1910.134. Respirator type: Any powered, air-purifying respirator with a high-efficiency particulate filter.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical & Chemical Properties

Appearance	Solid (article).
Physical state	Solid.
Form	Solid, finished product, brake pad
Color	Grey
Odor	None.
Odor threshold	Not applicable
pH	Not applicable
Vapor pressure	Not applicable
Vapor density	Not applicable
Boiling point	Not applicable
Melting point/Freezing point	Not applicable
Solubility (water)	Not available.
Specific gravity	2.75 - 4.25 (20°C)
Flash point	Not applicable
Flammability limits in air, upper, % by volume	Not applicable
Flammability limits in air, lower, % by volume	Not applicable
Auto-ignition temperature	Not applicable
Evaporation rate	Not applicable
Viscosity	Not applicable
Partition coefficient (n-octanol/water)	Not applicable