8. Exposure controls/personal protection

Occupation	nal exposure	limits
	20114	

Components	Туре	Value	Form
Pet coke (CAS 64743-05-1)	PEL	5 mg/m3 15 mg/m3	Respirable fraction. Total dust.
US. OSHA Table Z-1 Limits	for Air Contaminants (29 CFR 1910.10	•	Total dust.
Components	Туре	, Value	Form
Barium sulphate (CAS 7727-43-7)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Graphite (CAS 7782-42-5)	PEL	5 mg/m3	Respirable fraction.
	DE!	15 mg/m3	Total dust.
Magnesium oxide (CAS 1309-48-4)	PEL	15 mg/m3	Total particulate.
US. OSHA Table Z-3 (29 CFI	R 1910.1000)		
Components	Туре	Value	
Graphite (CAS 7782-42-5)	TWA	15 mppcf	
ACGIH		F1 -	
Components	Туре	Value	Form
Pet coke (CAS 64743-05-1)	TWA	3 mg/m3	Respirable fraction.
,		10 mg/m3	Total dust.
US. ACGIH Threshold Limit	Values	Ü	
Components	Туре	Value	Form
Barium sulphate (CAS	TWA	5 mg/m3	Inhalable fraction.
7727-43-7) Graphite (CAS 7782-42-5)	TWA	2 mg/m3	Respirable fraction.
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Inhalable fraction.
US. NIOSH: Pocket Guide to	Chemical Hazards		
Components	Туре	Value	Form
Barium sulphate (CAS	TWA	5 mg/m3	Respirable.
7727-43-7)		10 mg/m2	Total
Graphita (CAS 7792 42 5)	TWA	10 mg/m3	Total Respirable.
Graphite (CAS 7782-42-5)		2.5 mg/m3	Respirable.
logical limit values	No biological exposure limits noted fo		
propriate engineering trols	Use explosion-proof electrical equipm ventilation. Observe Occupational Exp		
vidual protection measures,	such as personal protective equipme	ent	
Eye/face protection	Wear approved safety goggles.		
Skin protection			
Hand protection	Wear protective gloves (i.e. latex, nitrile). Suitable gloves can be recommended by the glove supplier.		
Other	Wear suitable protective clothing.		
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.		
	Wear appropriate thermal protective clothing, when necessary.		
Thermal hazards	Wear appropriate thermal protective of	clothing, when necessary.	

and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

considerations

equipment to remove contaminants.