



Safety Data Sheet

Material Name: **RED CINDER & BLACK CINDER**

Material Identification: **VOLCANIC SCORIA**

Formula: NOT APPLICABLE

*****Section 1- Hazards Ingredients*****

Chemical Identity: SiO₂
Common Name: Silica (amorphous)
ACGIH TLV: 10 mg/m³
Percent: 45

*****Section 2- Physical Data*****

Boiling Point:	@ 1 atm	--- deg. C.	2230
Vapor Pressure (mm Hg):	@ 1734 C		10
Vapor Density (AIR = 1):			N/A
Solubility in Water:			insoluble
Specific Gravity (H₂O = 1):			0.61
Melting Point deg. C :			1610
Evaporation Rate (Butyl Acetate =1):			N/A
Appearance and Odor:	Red to brown to gray to black, fine to granular to coarse--odorless		

*****Section 3- Fire and Explosion Hazard Data*****

Flash Point: Does not apply
Flammable Limits: Does not apply
Extinguishing Media: Material is noncombustible
Special Fire Fighting Procedures: Use extinguishing media and procedures appropriate to the surrounding fire
Unusual Fire and Explosion Hazards: Does not apply

*****Section 4- Health Hazard Data*****

Route(s) of Entry: Inhalation
Health Hazards: This is a naturally occurring material that has not been ground to a fine particle size. Treat as a nuisance particulate. Avoid breathing dust and keep dust out of eyes.

Material Name: Cinders

Carcinogenicity: No evidence of causation of disease has been found.

Medical Conditions (Generally Aggravated by Exposure): Emphysema, pulmonary tuberculosis and other respiratory infections or deficiencies.

Emergency and First Aid Procedures: Flush eyes thoroughly with running water. Wash skin with soap and water. Remove to fresh air for inhalation. Seek medical support as needed.

*****Section 5- Reactivity Data*****

Stability: This is a highly stable material that is chemically as inert as sand or quartz

Incompatibility: Does not apply

Hazard Decomposition or Byproducts: Does not apply

Hazard Polymerization: Will not occur

Conditions to Avoid: Does not apply

*****Section 6- Spill or Leak Procedures*****

Collect, avoiding dusting conditions. Provide ventilation as necessary.
Dispose in an approved landfill as an inert solid.

*****Section 7- Precautionary Measures*****

Store in well-ventilated area. Keep dust in work area at a minimum and maintain air concentration of silica as far below TLV as possible.

Other Precautions NIOSH (1976) warns of increased risk of impaired health due to a combination of smoking and silica dust exposure.

Respiratory Protection Efficient dust respirators may be used if ventilation is poor.

Work/Hygienic Practices Good housekeeping and work/safety equipment to suit the needs of the overall job.