Calcined Petroleum Coke (CPC)

Material Safety Data Sheet

Section 1. Identification of the Substance and Company

Item	Detail
Product name	Calcined Petroleum Coke (CPC)
Chemical description	Coke (petroleum), calcined; CAS 64743-05-3
Recommended use	Carbon raw material for aluminium anodes, recarburising, electrodes and carbon products
Supplier	Ochnology Solution Private Limited, B-153, Sector-4, Defence Colony, Dehradun 248001, India
Telephone / email	+91 9286823642 / 43 | info@ochnology.com
Emergency contact	+91 9286823642

Section 2. Hazards Identification

Item	Detail
GHS classification	Not classified as hazardous under GHS
Signal word	None
Hazard statements	None
Other hazards	Dust may cause mechanical irritation of eyes, skin and respiratory tract. Fine dust can form combustible dust-air mixtures. Avoid dust formation and ignition sources.

Section 3. Composition and Information on Ingredients

Component	CAS number	Typical range (%)
Carbon (calcined petroleum coke)	64743-05-3	98.5 min
Sulphur	7704-34-9	1.0 max
Ash and volatile matter	–	Balance

Section 4. First Aid Measures

Item	Detail
Inhalation	Move the person to fresh air. Get medical attention if coughing or breathing difficulty persists.
Skin contact	Wash with soap and water. Get medical attention if irritation persists.
Eye contact	Rinse with plenty of water for at least 15 minutes. Remove contact lenses if easy to do. Get medical attention if irritation persists.
Ingestion	Rinse mouth with water. Get medical attention if symptoms occur.

Section 5. Fire-Fighting Measures

Item	Detail
Suitable extinguishing media	Water spray, foam, dry chemical or carbon dioxide
Specific hazards	Combustible; may smoulder. Dust clouds may be explosive. Burning may release carbon monoxide, carbon dioxide and sulphur oxides.
Protective equipment	Self-contained breathing apparatus and protective clothing

Section 6. Accidental Release Measures

Item	Detail
Personal precautions	Avoid dust. Wear dust mask, goggles and gloves. Remove ignition sources.
Environmental precautions	Prevent large quantities from entering drains.
Clean-up	Sweep or vacuum into closed containers without creating dust. Dispose of as non-hazardous solid waste.

Section 7. Handling and Storage

Item	Detail
Handling	Minimise dust formation. Use in a ventilated area. Keep away from ignition sources. Earth equipment where dust is generated.
Storage	Store dry in a covered area, in closed packing, away from moisture, heat and strong oxidisers.
Packing	As stated on the Technical Data Sheet

Section 8. Exposure Controls and Personal Protection

Item	Detail
Exposure limit (particulates not otherwise specified, ACGIH)	Inhalable 10 mg/m^3; respirable 3 mg/m^3
Engineering controls	Local exhaust ventilation or dust suppression where dust is generated
Eye and face	Safety goggles
Skin and hands	Gloves and protective clothing
Respiratory	Dust mask or respirator (FFP2 or higher) where dust levels are high

Section 9. Physical and Chemical Properties

Item	Detail
Appearance	Black granular solid
Odour	Odourless
Solubility in water	Insoluble
Real density	About 2.04 g/cm^3 min
Melting point	Sublimes above 3,000 °C
Flash point	Not applicable
Ignition temperature	Above 400 °C (solid)

Section 10. Stability and Reactivity

Item	Detail
Stability	Stable under normal conditions
Conditions to avoid	Dust generation, ignition sources, strong heat
Incompatible materials	Strong oxidising agents
Hazardous decomposition	Carbon monoxide, carbon dioxide and sulphur oxides on burning

Section 11. Toxicological Information

Item	Detail
Acute toxicity	Low acute toxicity.
Irritation	Dust may irritate the eyes, skin and upper respiratory tract.
Chronic	No carcinogenic classification for the product as supplied. Avoid prolonged inhalation of dust.

Section 12. Ecological Information

Item	Detail
Ecotoxicity	Not expected to be harmful to the environment; insoluble solid.
Persistence	Not biodegradable.
Bioaccumulation	No bioaccumulation expected.

Section 13. Disposal Considerations

Item	Detail
Waste disposal	Dispose of in accordance with local, state and national regulations.

Section 14. Transport Information

Item	Detail
UN number	Not regulated
Transport hazard class	Not classified as dangerous goods
Marine pollutant	No

Section 15. Regulatory Information

Item	Detail
Classification	Not classified as hazardous under GHS.
Labelling	No hazard labelling required

Section 16. Other Information

Item	Detail
Issue date	03 November 2026
Prepared by	Ochnology Solution Private Limited