

SAFETY DATA SHEET

GRAPHITE POWDER - ALL GRADES

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND OF COMPANY/UNDERTAKING

Product Name: GRAPHITE POWDER – ALL GRADES
Company Name: TITANIC ALLOYS
5/2B, Sea Palace,
Juhu Tara Road,
Mumbai: 400049.
India
Tel: +91-22-26602200
Fax: +91-22-26609121
Email: info@titanicgraphite.com

2. HAZARDS IDENTIFICATION

Hazard Designation: None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Graphite: 98% min
Ash: 1% max
Moisture: 1% max

4. FIRST AID MEASURES (SYMPTOMS)

Inhalation: Exposure may cause coughing and wheezing
Skin Contact: No symptoms
Eye Contact: May cause irritation and redness
Eye Contact: In case of irritation consult physician

5. FIRST AID MEASURES (ACTIONS)

After inhalation: Take affected person immediately into fresh air.
In case of complaints get medical help.
After skin contact: Wash off immediately with soap and water and rinse thoroughly.
After eye contact: Rinse open eye for 15 minutes under running water;
in case of irritation consult physician.
After ingestion: Rinse mouth with plenty of water. Consult physician.

6. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Foam, sand, CO2, water.
Special hazards: Not flammable and not explosive.
Protective equipment: Wear self-contained breathing apparatus.

SAFETY DATA SHEET

GRAPHITE POWDER - ALL GRADES

7. ACCIDENTAL RELEASE MEASURES

Personal precautions: Dust mask recommended if very dusty.
Environmental precautions: Don't discharge in drains or rivers. No other measures required.
Cleanup procedures: Clean-up mechanically and dispose accordingly.

8. HANDLING AND STORAGE

Handling Instructions: Avoid dusting. Do not inhale dust.
Do not eat or drink during work.
Storage Instructions: Store in a cool and dry area.
Protect against direct sunlight and heat sources.
Do not store together with incompatible substances (oxidants, fluorine, halogen solvent, potassium, potassium oxide).
Suitable Packaging: Must be kept in Original Packing only

9. EXPOSURE CONTROLS/PERSONAL PROTECTION

Hazardous Ingredients: GRAPHITE
6 mg/m³.
Engineering measures: Provide adequate ventilation
Hygiene measures: Use the usual precautionary measures for handling hazardous, dusty products. Wash hands before each break and after work.
Respiratory protection: Provide adequate ventilation. Dust mask recommended if dusty.
Hand protection: Not required.
Eye protection: Safety glasses recommended if very dusty.
Body protection: Not required.

10. PHYSICAL AND CHEMICAL PROPERTIES

State: Powder
Colour: Greyish Black
Odour: Odourless
Evaporation Rate: Negligible
Oxidizing: Non-oxidizing
Solubility in Water: Insoluble
Viscosity: Viscous
Melting Point/ range degree C: > 2000
Flash point degree C: > 100
Autoflammibility degree C: > 200
Relative Density: 0.9

SAFETY DATA SHEET

GRAPHITE POWDER - ALL GRADES

11. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Flames
Materials to avoid: Strong oxidizing agents.
Haz. Decomp. Products: Combustion emits toxic fumes of carbon dioxide/carbon monoxide.

12. TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation; Ingestion
Toxicity to Animals: LD50: Not Available; LC50: Not Available
No LD50/LC50 information found relating to normal routes of occupational exposure
Chronic Effects on Humans: Can cause damage to upper respiratory tract over long exposure
Toxic Information: No toxicological or carcinogenic effects known with graphite.
Product is not listed in ACGIH, MIOSH, NTP, IARC and is not classified as carcinogenic by OSHA.
No irritating effects if ingested, inhaled or by skin contact.

Material is not found to be a carcinogen, nor produce genetic, reproductive or developmental effects

13. ECOLOGICAL INFORMATION

Mobility: Insoluble in water.
Persistence and degradability: No data available.
Bioaccumulative Potential: No bioaccumulation potential.
Ecotoxicity: No data available.
BOD 5 and COD: No data available.

14. DISPOSAL CONSIDERATIONS

Disposal of Packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic waste
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SAFETY DATA SHEET

GRAPHITE POWDER - ALL GRADES

15. REGULATORY INFORMATION

Hazard Symbols: No significant hazard

Risk Phrases: None

Safety Phrases: None

Protective Equipement: Gloves.

Dust respirator.

Safety Glasses.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. TRANSPORTATION

Proper Shipping Name: Graphite

General: Not classified as dangerous for transport purposes

UN No: 0

Road/Air/Sea/Rail: Not classified as dangerous for road, air, sea and rail transport

DOT: Not regulated by DOT

IATA: Not regulated by IATA

Special Provisions for Transport: Not applicable

17. OTHER INFORMATION:

References: None Available.

Other Special Considerations: None Available.

Created: 16/10/2010

Updated: None Available.

Legal Disclaimer: The above information is believed to be correct but does not purport to be all inclusive be used only as a guide.

This company shall not be held liable for any damage resulting from handling contact with the above product.