



Pishgam sayandeh pars
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Material Safety Data Sheet (MSDS)

Product Name: Glassy Phase Copper
Slag

1. BILLED TO:

- **Product Name:** Glassy Phase Copper Slag
- **Manufacturer:** Pishgam Sayandeh Pars Co.
- **Address:** No. 10, Third Floor, Unit 6, Niloufar West Alley, Maleki South Street, Ferdows East Boulevard, Second Sadeghiyeh Square, Tehran, Iran
- **Emergency Phone:** +98-912-202-3991
- **Email:** export@pishgamsayandeh.com
- **Website:** www.pishgamsayandeh.com

2. BILLED TO:

Component	Chemical Formula	Weight %
Iron Oxide	Fe ₂ O ₃	55.74%
Silicon Dioxide	SiO ₂	32.34%
Aluminum Oxide	Al ₂ O ₃	5.36%
Magnesium Oxide	MgO	1.02%

Others (CaO, K ₂ O, TiO ₂ , ZnO)	-	Trace
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3. Hazards Identification

- The product is chemically inert and non-reactive.
- No known health hazards under normal handling and use.
- Avoid inhaling dust; use protective equipment during handling.

4. First Aid Measures

- **Inhalation:** Avoid breathing dust. Move to fresh air if discomfort occurs.
- **Skin Contact:** Use protective gloves; wash skin if contact occurs.
- **Eye Contact:** Avoid contact; flush immediately with plenty of water if contact occurs.
- **Ingestion:** Not expected to be harmful; seek medical advice if large amounts swallowed.

5. Fire-Fighting Measures

- Product is non-flammable and inert.
- Use extinguishing media appropriate for surrounding fire.

6. Accidental Release Measures

- Collect spilled material mechanically (e.g., shovel) and transfer to suitable containers.
- Avoid creating dust during cleanup.

7. Fire-Fighting Measures

- Store in a dry, well-ventilated area.
- Avoid moisture accumulation; if exposed to moisture, air dry before use.
- Use personal protective equipment during handling.

8. Exposure Controls / Personal Protection

- Use gloves, safety goggles, protective clothing, and respiratory protection when necessary.
- Ensure adequate ventilation and dust control.

9. Physical and Chemical Properties

- Appearance: Black granular solid
- Bulk Density: 3.3 g/cm³
- pH: Neutral (approximate)
- Melting Point: Not determined (approximate melting point similar to copper)

10. Physical and Chemical Properties

- Stable under normal conditions.
- Inert, no hazardous reactions known.

11. Toxicological Information

- Not toxic under normal use.
- Avoid inhalation of dust to prevent respiratory irritation.

12. Ecological Information

- Environmentally compatible.
- Can be used in construction to improve concrete strength.

13. Disposal Considerations

- Dispose of according to local regulations.
- Can be recycled or used in industrial applications.

14. Disposal Considerations

- Not classified as hazardous for transport.

15. Transport Information

- Not classified as hazardous for transport.

14. Disposal Considerations

- The above information is based on current knowledge and intended to describe the product for safety purposes.