

Palabora Copper (Pty) Limited

Material Safety Data Sheet

Copper Concentrate

SUPPLIER DETAILS

Supplier Name:	Palabora Copper (Pty) Ltd	Emergency Telephone Number:	+27 (0)15 780 2666
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		URL / WebPages:	http://www.palabora.com/

1. PRODUCT IDENTIFICATION

Chemical Names and Synonyms: Concentrated Copper Ore	UN Number:
CAS Number:	NIOSH Number:

2. COMPOSITION

Inorganic ore containing approximately 30% copper. The remaining constituents are mainly iron, sulphur and silica.

3. HAZARDOUS IDENTIFICATION

Copper concentrate has a low toxicity. Inhalation and ingestion should be avoided.

4. FIRST AID MEASURES

Inhalation: Unlikely to cause symptoms, if observed, obtain medical advice.

Ingestion: Dilute with copious quantities of water, obtain medical advice.

Skin contact: Wash skin using water and mild soap.

5. FIRE FIGHTING MEASURES

The product is not flammable under normal conditions.

6. ACCIDENTAL RELEASE MEASURES

Contain spill, sweep area using broom & shovel. Prevent release into aquatic environment.

7. HANDLING AND STORAGE

Prevent the spread of material into the environment.

Spills to be cleaned by sweeping and disposed according to local regulations.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Avoid contact with the eyes. When dust generation potential exists, goggles and dust respirator are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Copper concentrate is a dark, sand like ore. It is reminiscent of fine sea sand. The material consists of a mixture of copper and iron sulphides and other oxide minerals. The melting point is approximately 1080 degrees Celsius.

10. STABILITY AND REACTIVITY

The product is stable under normal conditions. The product may react with strong acids and alkaline substances.

11. TOXICOLOGICAL INFORMATION

No known toxicological effects on humans. Potential toxicological effects probably similar to copper.

12. ECOLOGICAL INFORMATION

Copper can be harmful to the environment in large quantities. Avoid large quantities to enter the ecosystem.

13. DISPOSAL CONSIDERATIONS

Dispose according to local regulations. Contact local waste disposal company for advice. Disposal options must consider approximately 30% copper content.

14. TRANSPORT INFORMATION

No transport requirements with South Africa

15. REGULATORY INFORMATION

No specific South African regulations are applicable to Copper Concentrate.

16. OTHER INFORMATION

DISCLAIMER

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