



SAFETY DATA SHEET

Natural Ochre Pigments

1. Identification of the substance:

Product Name: Red, Yellow, Purple and Brown Ochre
Description of product: Colorant (Inorganic Iron Oxide Pigment)

Company Name: Clearwell Caves,
Clearwell Mine Management Ltd,
The Rocks, Clearwell,
Nr Coleford, Gloucestershire. GL16 8JR
Telephone: 01594 832535
Website: www.clearwellcaves.com
Email: info@clearwellcaves.com

2. Composition:

Inorganic Iron Oxide Fe_2O_3 , 60% - 95%
Water and Limestone ($CaCO_3$) in varying quantities.

3. Hazard Identification:

No significant hazard.
Precautionary Statement: Do not inhale powder.

4. First Aid Measures:

As a general rule in case of doubt always consult a doctor
Skin Contact: Wash off with plenty of water.
Eye contact: Rinse for 15 minutes with plenty of clean water.
Ingestion (large amounts): Rinse mouth with water - consult doctor if unwell.
Inhalation (substantial): Remove from exposure, fresh air, monitor irritation/respiratory reaction, consult doctor if unwell.

5. Fire Fighting Measures:

Hazards arising : Non-combustible, no limitation for extinguishing agents.
Extinguishing media: Use extinguishing measures appropriate to local circumstances.
Advice for Firefighters: in the event of fire, wear self-contained breathing apparatus.

6. Accidental release measures:

No special precautionary measures necessary in small quantities.
Environmental precautions: Do not dispose into drains or watercourses.
Clean up procedures: Avoid generation of dusts, transfer to suitable container, clean away residue.

7. Handling and Storage:

Handling requirements: Wash hands after use and before breaks.
Conditions for safe storage: Store dry in jar with tightly closed lid. Store in cool, dry area.
Suitable packaging: Store upright in supplied packaging, or similar container with well-fitting lid.

8. Exposure Controls/Personal Protection:

Hazardous ingredients: Iron(III) oxide - Natural Iron Oxide
EH40 WEL 8 hour exposure inhalable dust limit 10mg/m³
8 hour respirable dust limit 4mg/m³

Engineering measures: Well ventilated work area.
Respiratory protection: Respiratory protective device such as suitable particle dust mask if dust is being created.
Eye/face protection: Safety glasses as appropriate.
Hand protection: Vinyl gloves if appropriate, otherwise none required.
Skin Protection: Overalls or apron as required to avoid damage to clothing.

9. Physical and Chemical Properties:

State: Solid powder
Colour: Red, Yellow, Purple, or Brown
Odour: Odourless
Oxidising: Non-oxidising
Solubility in water: Insoluble
Relative density: yellow 4.1 - red 5.0
pH: 4 - 7

10. Stability and Reactivity:

Stability: Stable
Explosive properties: Not classified as explosive

11. Toxicological Information:

Routes of exposure: Non-toxic, but wash hands after use and before meals.
Do not inhale.

12. Ecological Information:

Mobility: Insoluble in water
Persistence and degradability: Not biodegradable
Bio-accumulative potential: No bioaccumulation potential
Other adverse effects: Negligible eco-toxicity when handled and used with due care and attention.

13. Disposal Considerations:

Waste treatment methods: Waste material may be disposed of into building waste reclamation/landfill. Do not dispose into drains or water courses

14. Transport information:

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Ochre Pigment

Land Transport:	Not classified as dangerous
Inland or sea transport:	Do not dispose into watercourses; harmless to fish and other life in small quantities.
Air transport:	Not classified as dangerous

15. Regulatory Information:

Hazard symbols:	No significant hazard
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16. Other Information:

Training advice:	Provide adequate information and instruction to users.
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Legal disclaimer:	The above information is believed to be correct but does not purport to be all inclusive and is to be used only as a guide. This company shall not be held liable for damage resulting from handling or from contact with the above product.
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