modern teaching aids

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **ORANGE POWDER COLOUR 30%**
Product Code: **11.120**
Recommended Use: Concentrated food colour for manufacturing use only. Dosage is 0.003 to 0.1%.

Supplier:

Modern Teaching Aids Pty Ltd
Office: Level 1, 122-126 Old Pittwater Road, Brookvale NSW 2100 Australia
Post: PO BOX 6367 Frenchs Forest NSW 2086 Australia
Freephone: 1800 251 497 (AU) 0800 808 044 (NZ)
FreeFax: 1800 151 492 (AU) 0800 682 329 (NZ)
Email: sales@teaching.com.au sales@teaching.co.nz
Website: www.teaching.com.au www.teaching.co.nz

2. HAZARDS IDENTIFICATION

Classification: NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.
Based on available information this product is classified as non-hazardous according to the criteria of NOHSC[4] and Safe Work Australia and as non-dangerous goods according to the ADG Code[6] for transport by road and rail.

ACUTE EFFECTS:

Ingestion: Excessive ingestion may cause oedema, elevated blood pressure and gastric disturbances. Urine may be coloured until the dye has been washed through the system.

Eye: Irritant, will cause stinging.

Skin: May cause sensitisation by skin contact. Will cause staining upon skin contact.

Inhalation: May cause sensitisation by inhalation.

CHRONIC EFFECTS: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS No	*Substance Name*	*Proportion*	*Risk Phrases*
7647-14-5	Sodium Chloride	> 60%	Not hazardous
2783-94-0	Sunset Yellow (110) CI 15985	30 – 60%	Not hazardous

4. FIRST AID MEASURES

Ingestion:	Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.Drink plenty of liquid to facilitate urinary excretion, and to relieve oedema and elevated blood pressure. Seek medical attention.
Eye:	Immediately flush open eye with water for at least 15 minutes. Seek medical assistance if symptoms persist.
Skin:	Immediately remove all contaminated clothing and launder before reuse. Wash affected areas thoroughly with soap and water. Obtain medical advice if irritation persists.
Inhalation:	Remove victim to fresh air, lay down and rest. Seek medical advice if effects persist.

5. FIRE-FIGHTING MEASURES

Hazchem Code:	No Hazchem code allocated.
Fire/Explosion Hazard:	Combustible but does not ignite readily.
Extinguishing Media/ Apparatus:	Water mist, foam, carbon dioxide or dry chemical.
Hazardous Decomposition Products:	Sodium chloride emits toxic fumes of hydrochoric acid and disodium oxide when heated to decompositon. It is therefore good practice to avoid inhalation of smoke and fumes and to wear suitable respiratory equipment in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions:

- Do not discharge directly into drains, into soil or into the aquatic environment.

Methods for Cleaning Up:

Note: Use proper personal protective equipment when cleaning up as indicated in Section 8.

- Sweep powders carefully, using an absorbent sweeping compound to keep down the dust.
- Scoop material and absorbent into disposal drum and seal.
- Vacuum, then clean away any residual with water.
- Waste should be disposed of in accordance with section 13 of this document.

7. HANDLING AND STORAGE

Safe Handling:

- Maintain adequate ventilation in working areas. Avoid breathing dust.
- Do not ingest or apply to the skin as such. Good personal washing routines should be followed.
- Avoid contact with skin and eyes by wearing suitable gloves, protective clothing and eye/face protection.

Safe Storage:

- Store in closed containers in a dry area.
- Maintain good ventilation and ambient temperature around containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure
Standard: No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Exposure Standard(s) for particulates:

Dusts not otherwise classified: 8hr TWA = 10 mg/m^3

As published by the National Occupational Health and Safety Commission.
TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Personal protection:
Ingestion: Do not eat, smoke or drink where product is handled, processed or stored.

Eye/face: Protective eyewear, goggles or face shield is recommended to avoid accidental eye contact.

Skin: Protective clothing should be provided to avoid skin contact with this product. Gloves should be worn when handling. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

Inhalation: Effort should be made to control airborne levels of this product. Avoid generating and inhaling dusts. If excessive dust exists, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance :	Fine, dry, orange/red powder
Odour :	Odourless
pH:	Not applicable
Vapour pressure :	Not applicable
Vapour density:	Not applicable
Boiling point/boiling range :	Not applicable
Freezing/melting point:	Not applicable
Solubility:	Soluble in water
Specific gravity:	Not applicable

10. STABILITY AND REACTIVITY

Stability:
- Product has good stability at ambient temperature.

Conditions to Avoid:
- Avoid extremes in temperature.
- Avoid contact with strong oxidisers, and concentrated sulphuric and nitric acids.
- May corrode ferrous-based equipment due to high salt content.

Hazardous Decomposition Products:
- Toxic fumes of hydrochoric acid and disodium oxide are produced when heated to decompositon.

11. TOXICOLOGICAL INFORMATION

This product has not been subjected to toxicological testing as an entity and has been blended from materials with limited toxicological bibliographies. In view of the difficulty of using current standard toxicological evaluation techniques to predict potential hazards to susceptible individuals or arising from unforeseeable circumstances, this product should be treated in consequence with all possible precaution.

Ingestion: No toxicological data is available.

Inhalation: No toxicological data is available.
Skin: No toxicological data is available.

Eyes: No toxicological data is available.

12. ECOLOGICAL INFORMATION

This product has not been subjected to ecotoxicological testing as an entity. In view of the difficulty of using current standard ecotoxicological evaluation techniques to predict the impact of particular modes of release on vulnerable or localised parts of the ecosystem, this preparation should be considered and handled as if it displayed potential environmental hazard. That is, it should be treated in consequence with all possible precaution:
Prevent from entering bodies of water. Expected to be biodegradable. Not expected to bio-accumulate.

13. DISPOSAL CONSIDERATIONS

Residual quantities of the product should be treated according to the instructions given in sections 6, 7 and 8. Wastes should be eliminated according to federal, state and local regulatory requirements currently in force. Do not dispose of by means of sinks, drains, or in the immediate environment.

14. TRANSPORT INFORMATION

In case of accidental spillage or fire during transport, refer to instructions given in sections 5, 6, 7 and 8.

Hazchem Code : No Hazchem code allocated.
In case of accidental spillage or fire during transport, refer to instructions given in sections 5, 6, 7 and 8.

Hazchem Code : No Hazchem code allocated.

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

15. REGULATORY INFORMATION

Poisons Schedule
Number: No poisons schedule number allocated.

This product is not classified as a dangerous substance and hence labelling according to EC directives is not necessary.

16. OTHER INFORMATION

Recommended Uses and Restrictions:	Concentrated colouring raw material. Not for personal use in this form or concentration. For manufacturing use only.
Further Information:	Refer to specific advice provided in Product Information Sheets available from the manufacturer at the address indicated on page 1.

REFERENCES:

1. National Code of Practice for the Preparation of Material Safety Data Sheets, 2nd Edition, [NOHSC:2011(2003)].
2. National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003 (1995)].
3. List of Designated Hazardous Substances, [NOHSC:10005 (1999)].
4. Approved Criteria for Classifying Hazardous Substances, [NOHSC:1008 (2004)].
5. National Code of Practice for the Labelling of Workplace Substances, [NOHSC:2012(1994)].
6. Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code), 7th Edition, 1 October 2011.

END OF MSDS