

# Ainsworth Dental Company

ABN 93 123 247 763

7/87 Fitzroy Street Marrickville NSW 2204

PO Box 5055 Marrickville NSW 1475

Tel: 1300 60 22 40 (+61 2 9519 7223)

Fax: 1300 60 22 50 (+61 2 9519 7101)



## MATERIAL SAFETY DATA SHEET

### 1. NAME OF PRODUCT

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Product Name: **Zinc Oxide – Quick Set & Regular**

Product Code: AIZO

Used for: Used as a temporary sedative cement when mixed with eugenol.

Supplier/Manufacturer: Ainsworth Dental Company  
7/87 Fitzroy Street Marrickville NSW 2204  
PO Box 5055 Marrickville NSW 1475  
Tel: 1300 60 22 40 (+61 2 9519 7223)  
Fax: 1300 60 22 50 (+61 2 9519 7101)  
Emergency Telephone: Poisons Information Centre (National) 131126

### 2. POSSIBLE HAZARDS

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Zinc Oxide is not classified as hazardous according to Safe Work Australia criteria  
Zinc Oxide is not classified as a dangerous good according to the ADG Code

Hazardous in case of inhalation. Slightly hazardous in case of skin contact, of eye contact, of ingestion.

### 3. CHEMICAL ANALYSIS

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<u>Formula:</u>	<u>%:</u>	<u>CAS No:</u>
Zinc Oxide	>80%	1314-13-2
Zinc Acetate	<20%	557-34-6
Rosin	<0.01%	

### 4. FIRST AID MEASURES

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Ingestion: Immediately wash out mouth with water. Do not induce vomiting. Seek medical advice if symptoms appear.

Inhalation: Remove victim to fresh air. Seek medical advice if necessary.

Skin: Wash with soap and water and seek medical advice if irritation persists.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical advice if irritation occurs.

Long Term Effects: Nil

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### 5. FIRE FIGHTING MEASURES

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Non-flammable and does not support compustion  
Hazchem Code: None allocated.

### 6. SPILLS & LEAKAGE MEASURES

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Sweep up, but avoid generating dust. Put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface.

### 7. HANDLING AND STORAGE

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Handling:	Avoid generating dust. Use good occupational work practices. Use adequate ventilation.
Storage:	Keep container tightly closed. Keep container in a coll, well-ventilated area. Do not store above 25°C and avoid direct sunlight. Store away from materials such as strong acids, bases or magnesium.

### 8. EXPOSURE CONTROLS & PERSONAL PROTECTION GEAR

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National Exposure Standards:	TWA 10mg.m3
Engineering Controls:	Provide local exhaust (ventilation). Keep containers closed when not in use.
Protection:	Wear appropriate clothing and gloves to minimise skin contact. Wear approved dust masks & safety goggles/glasses where splashing is possible.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

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Form:	Fine Powder
Colour:	White
Odour:	Odourless
Solubility in water:	Insoluble
Flash Point:	N/A
Density:	N/A
Flammability limit:	N/A
Boiling Range:	N/A
Melting Point:	1975°C
Gravity:	5.8 at 25 degrees Celcius

### 10. STABILITY AND REACTIVITY

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Conditions to avoid:	
Hazardous Decomposition products:	
Incompatibility (Materials to avoid)	Reacts violently with magnesium, linseed oil.
Stability:	Stable
Hazardous Polymerization:	Will not occur.
Reaction:	Zinc Oxide fumes may react with chlorinated rubber. Keep away from strong acids, strong bases and magnesium

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### 11. TOXICOLOGY INFORMATION

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#### Inhalation

May cause nasal and mucal membrane irritation and coughing. Can cause Flu-like illness called Metal Fume Fever. This can occur 4-12 hours after exposure and last about 24 hours. Symptoms include sweating, shivering, headache, fever, muscle aches, nausea, vomiting and tiredness  
Hazardous in case of inhalation.

#### Skin

Slightly hazardous in case of skin contact, of ingestion.

#### Eyes

May cause mild irritation of the eyes.

#### IngestionSkin

Slightly hazardous in case of ingestion and may cause inflammation of the stomach (gastritis) and vomiting.

#### Toxicity Data

LD50 (rat) = 7950mg/kg

### 12. ECOLOGICAL INFORMATION

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Non-toxic to the environment.

### 13. DISPOSAL INSTRUCTIONS

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Normally suitable for disposal at approved land waste sites.

### 14. TRANSPORTATION INSTRUCTIONS

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<u>Land transport:</u>	No restrictions
<u>Sea transport:</u>	No restrictions
<u>Air Transport:</u>	No restrictions

### 15. REGULATIONS

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Hazard Classification: Not classified as hazardous according to Safe Work Australia.

A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP)

All chemicals are listed on the Australian Inventory of Chemical Substances (AICS)

### 16. OTHER INFORMATION

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The data and information given in this Material Safety Data Sheet are accurate on the date of preparation. It does not indicate any warranty or representation. We disclaim all liability relating to use of this material since this is beyond our control.

**SYDNEY  
JANUARY 2016**