

MATERIAL SAFETY DATASHEET



One Omega Drive
Stamford, CT 06907-0047
omega.com
e-mail: info@omega.com

MSDS-0100
Thermocouple CO/COL
Zinc Cement Powder Snow White (Part A)
Rev. Date 08/05
Supersedes: 09/14/00

SECTION 1. IDENTIFICATION

PRODUCT (TRADE) NAME: Zinc Cement Powder Snow White (Part A)

GENERIC NAME OR FAMILY:

SUPPLIER: OMEGA Engineering, Inc.
P. O. Box 4047
Stamford, CT 06907

TELEPHONE: (203) 359-1660

SECTION 2. COMPOSITION/INFORMATION PREPARATION

Compositions given are typical values, not specifications.

Components Name	% Weight	Cas NO.	EINECS No.
Zinc Oxide	<91%	1314-13-2	
Magnesium Oxide	<11%	1309-48-4	215-171-9

SECTION 3. HAZARDS IDENTIFICATION

Risk Phases:

SECTION 4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If irritation persists seek medical attention
Skin Contact: Wash with soap and water. If irritation persists seek medical attention.
Eye Contact: Flush with copious amounts of water. If irritation persists seek medical attention.
Ingestion: Rinse mouth with water. Drink plenty of water. If patient feels unwell seek medical attention.

Emergency Medical Treatment:

SECTION 5. FIRE FIGHTING MEASURES

Use extinguisher suitable to cause of fire and its surroundings.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Sweep up excess and transfer into suitable containers for disposal. Wipe residue with a damp cloth and thoroughly rinse to drain.



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SECTION 7. HANDLING AND STORAGE

Handling: No handling problems are likely to be encountered provided normal safe practices of hygiene are applied. Avoid raising dust.

Store in a cool dry place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

Personal Protection:

Respiratory Protection: Dust respirator may be required in extreme cases of dust evolution.

Skin Protection: Overalls, rubber gloves.

Eye Protection: Goggles/eyeshields.

Industrial Hygiene: Wash hands thoroughly after contact with this product.

Other:

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State at 25°C:	Powder
Color:	White
Odor:	Odorless
Freezing Point (°C):	
Initial Boiling Point (°C):	
Density at 25°C (kg/m³):	
Vapor Pressure (mm Hg) at 25°C:	
Relative Vapor Density (air=1):	
Viscosity at 25°C (mPas):	
Solubility in Water (% weight):	Insoluble
Flash Point (°C):	N/A.
Auto Ignition Temperature (°C):	N/A.
Flammability Limits in Air	
Lower (% vol)	N/A.
Upper (% vol)	N/A.

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SECTION 10 - STABILITY AND REACTIVITY

Stable
Non-reactive

SECTION 11 - TOXICOLOGICAL INFORMATION

SECTION 12 - ECOLOGICAL INFORMATION

SECTION 13 - DISPOSAL CONSIDERATIONS

In accordance with local authorities.

SECTION 14 - TRANSPORTATION INFORMATION

SECTION 15 - REGULATORY INFORMATION

The information in this MSDS does not constitute an assessment of workplace risks.

SECTION 16 - OTHER INFORMATION

Handling product exclusively by dental specialists according to instructions for use.

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MSDS-0100
Thermocouple CO/COL
Zinc Cement Liquid (Part B)
Rev. Date 08/05
Supersedes: 09/14/00

SECTION 1. IDENTIFICATION

PRODUCT (TRADE) NAME: Zinc Cement Liquid
GENERIC NAME OR FAMILY:
SUPPLIER: OMEGA Engineering, Inc.
P. O. Box 4047
Stamford, CT 06907
TELEPHONE (203) 359-1660

SECTION 2. COMPOSITION/INFORMATION PREPARATION

Compositions given are typical values, not specifications.

Components Name	% Weight	Cas NO.	EINECS No.
Phosphoric Acid	<76%	7664-39-2	231-633-2
Zinc Oxide	<03%	1314-13-2	
Aluminum Hydroxide	<08%	21645-51-2	
Deionised Water	<15%		

SECTION 3. HAZARDS IDENTIFICATION

Risk Phrases Corrosive
R34. Causes Burns.

SECTION 4. FIRST AID MEASURES

Inhalation: Remove to fresh air, rest and keep warm. If irritation persists seek medical attention.
Skin Contact: Wash thoroughly with soap and water. If irritation persists seek medical attention.
Eye contact: Flush with copious amounts of water. Seek medical attention.
Ingestion: Rinse mouth with water Drink plenty of water Do not induce vomiting. If patient feels unwell seek medical attention.

Emergency Medical Treatment:

SECTION 5. FIRE FIGHTING MEASURES

Use extinguisher suitable to come of fire and its surroundings

Special equipment for fire fighting: Self contained breathing apparatus and full protective clothing.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

Soak up spillage and transfer into suitable containers for disposal. Do not allow entry into drains or water course.

SECTION 7. HANDLING AND STORAGE

Handling: Good general ventilation. Avoid generating mist.
Storage: Temperature range 5°C-25°C away from metals.
Storage Media: 316 stainless steel, rubber lined mild steel, some plastics.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: 1mg/m³ (8h TWA) 3mg/ m³(STEL).
Personal Protection:
Respiratory Protection: Respiratory protection as for oil mists if OES is likely to be exceeded
Skin Protection: Overalls, rubber gloves.
Eye Protection: Goggles/eyeshields.
Industrial Hygiene: Wash hands thoroughly after contact with this product.
Others:

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State at 25°C: Liquid.
Color: Colorless to Pale Straw.
Odor: Odorless.
Freezing Point (°C):
Initial Boiling Point (°C):
Density at 25°C (kg/m³):
Vapor Pressure (mm Hg) at 25°C:
Relative Vapor Density (air=1):
Viscosity at 25°C (mPas):
Solubility in Water (% weight): Miscible with Water.
Flash Point (°C) N/A.
Auto Ignition Temperature (°C): N/A.
Flammability Limits in Air
Lower (% vol) N/A.
Upper (% vol) N/A.

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SECTION 10. STABILITY AND REACTIVITY

Stable
Reacts with metals to exposed skin.

SECTION 11. TOXICOLOGICAL INFORMATION

May cause burns to exposed skin.

SECTION 12. ECOLOGICAL INFORMATION

High concentration : In receiving water will damage aquatic life. Low concentrations may act as plant nutrient or precipitate heavy metals.

SECTION 13. DISPOSAL CONSIDERATIONS

In accordance with local authorities.

SECTION 14. TRANSPORTATION INFORMATION

SECTION 15. REGULATORY INFORMATION

Supply Label Details:	Ref. Chip 99
Label Name:	Zinc Cement Liquid. Contains Phosphoric Acid
Symbols:	Corrosive.
Risk Phrases:	26-45. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

The information on this MSDS does not constitute an assessment of workplace risks.

SECTION 16. OTHER INFORMATION

Handling of product exclusively by dental specialist according to instructions for use.

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