

SAFETY DATA SHEET

Zinc Base Tool Joint Compound

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Revision: 03/19/2018
Supersedes Revision: 01/25/2016

1. Product and Company Identification

Product Code: ZN60
Product Name: Zinc Base Tool Joint Compound
Company Name: Balmar, LLC
616 W. Pont Des Mouton Rd.
Lafayette, LA 70507-4002
Phone Number: (337)232-2496
Email address: Info@oilcenter.com
Emergency Contact: 01-703-527-3887

2. Hazards Identification

Aquatic Toxicity (Acute), Category 1
Aquatic Toxicity (Chronic), Category 1
Acute Toxicity: Oral, Category 5
Specific Target Organ Toxicity (single exposure), Category 1
Specific Target Organ Toxicity (single exposure), Category 2
Specific Target Organ Toxicity (repeated exposure), Category 1



GHS Signal Word: **Danger**

GHS Hazard Phrases:
H303 - May be harmful if swallowed.
H372 - Causes damage to organs through prolonged or repeated exposure.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

GHS Precaution Phrases:
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P314 - Get medical attention/advice if you feel unwell.
P321 - Specific treatment see section on this label.
P391 - Collect spillage.
P363 - Wash contaminated clothing before reuse.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

GHS Storage and Disposal Phrases:
P405 - Store locked up.
P501 - Dispose of contents/container to in accordance with federal regulations.

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Potential Health Effects (Acute and Chronic):	Chronic: Prolonged or repeated skin contact may cause dermatitis. Inhalation is unlikely but in the event that misting occurs, chronic inhalation can cause pneumoconiosis. Effects may be delayed.
Inhalation:	May be harmful if inhaled. Low hazard for normal industrial handling. Effects may be delayed. The toxicological properties of this substance have not been fully investigated.
Skin Contact:	May be absorbed through the skin. May cause skin irritation.
Eye Contact:	May cause eye irritation. Causes eye burns.
Ingestion:	May be harmful if swallowed. No hazard expected in normal industrial use. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Moderately toxic to humans by ingestion. The toxicological properties of this substance have not been fully investigated.

3. Composition/Information on Ingredients

CAS #	Components (Chemical Name)	Concentration	
7440-66-6	Zinc	55.0 - 65.0 PPM	
1305-78-8	Calcium oxide	1.00 - 5.00 PPM	
7782-42-5	(Trade Secret)	1.00 - 5.00 PPM	
14807-96-6	Talcum	1.00 - 5.00 PPM	
1314-13-2	Zinc oxide	0.100 - 5.00 PPM	

4. First Aid Measures

Emergency and First Aid

Procedures:

In Case of Inhalation:	If not breathing give artificial respiration. Get medical aid immediately. Remove from exposure and move to fresh air immediately. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.
In Case of Skin Contact:	Wash off with soap and plenty of water. Get medical aid immediately. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
In Case of Eye Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
In Case of Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting. Get medical aid immediately. Call a poison control center. If victim is conscious and alert, give 2-4 cupfuls of milk or water.
Signs and Symptoms Of Exposure:	Inhalation is unlikely under normal condition but in the event vapors are produced inhalation of vapors may cause:, chills, dry throat, sweet taste, Fever, Cough, Nausea, Vomiting, Weakness.
Note to Physician:	Treat symptomatically and supportively.

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5. Fire Fighting Measures

Flash Pt: 350 F

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. Use foam, dry chemical, or carbon dioxide. DO NOT USE WATER! Substance is nonflammable; use agent most appropriate to extinguish surrounding fire. Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Fire Fighting Instructions: Wear self contained breathing apparatus for fire fighting if necessary. Water reactive. Material will react with water and may release a flammable and/or toxic gas. Material will not burn. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Flammable Properties and Hazards: No data available.

Hazardous Combustion Products: No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Personal precautions. Environmental precautions. Do not let product enter drains. Methods for cleaning up. Keep in suitable, closed containers for disposal. Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place in disposal container. Wear a self contained breathing apparatus and appropriate personal protection. Provide ventilation. Do not expose spill to water. Do not get water inside containers. Do not let this chemical enter the environment. Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal.

7. Handling and Storage

Precautions To Be Taken in Handling: Normal measures for preventive fire protection. Do not allow water to get into container because of a violent reaction. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Do not allow contact with water. Keep container tightly closed. Wash clothing before reuse.

Precautions To Be Taken in Storing: Store in a cool, dry place. Store in a tightly closed container. Corrosives area. Store protected from moisture.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7440-66-6	Zinc	No data.	No data.	No data.
1305-78-8	Calcium oxide	PEL: 5 mg/m3	TLV: 2 mg/m3	No data.
7782-42-5	(Trade Secret)	PEL: 532.5 ppm/15 mppcf	TWA: 2 mg/m3 (resp. except fibers)	No data.
14807-96-6	Talcum	PEL: 706 ppm/20 mppcf	TLV: 2 mg/m3 (non-asbestos)	No data.
1314-13-2	Zinc oxide	PEL: 5 (fume); 15 (dust) mg/m3	TLV: 2 mg/m3 (R) STEL: 10 mg/m3 (R)	No data.

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Respiratory Equipment (Specify Type):	Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.
Eye Protection:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure.
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Engineering Controls (Ventilation etc.):	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Work/Hygienic/Maintenance Practices:	General industrial hygiene practice.

9. Physical and Chemical Properties

Physical States:	[] Gas	[] Liquid	[X] Solid
Appearance and Odor:	Paste. Petroleum-like.		
	Appearance: Gray.		
pH:	No data.		
Melting Point:	395 F		
Boiling Point:	No data.		
Flash Pt:	350 F		
Evaporation Rate:	No data.		
Flammability (solid, gas):	No data available.		
Explosive Limits:	LEL: No data.	UEL: No data.	
Vapor Pressure (vs. Air or mm Hg):	No data.		
Vapor Density (vs. Air = 1):	No data.		
Specific Gravity (Water = 1):	1.90 at 77.0 F		
Density:	15.89 LB/GA at 77.0 F		
Solubility in Water:	< 1 at 77.0 F		
Octanol/Water Partition Coefficient:	No data.		
Autoignition Pt:	No data.		
Decomposition Temperature:	No data.		
Viscosity:	No data.		

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10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Avoid moisture. Incompatible materials.

Incompatibility - Materials To Avoid: acids, Strong bases, chlorides, fluorine, nitrates, carbon disulfide, Strong oxidizing agents. carbon dioxide, chlorine trifluoride, Halogens, phosphorus pentoxide, calcium chloride, metallic halides, hydrofluoric acid, Hydrogen fluoride, Ethanol. magnesium, chlorinated rubber.

Hazardous Decomposition or Byproducts: Zinc/zinc oxides, Zinc oxide fumes. calcium hydroxide, irritating and toxic fumes and gases, silicon dioxide, Carbon monoxide, toxic fumes of zinc oxide.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: Epidemiology: No information found. Teratogenicity: No information available. Reproductive Effects: Mutagenicity: Neurotoxicity: No information available.

Carcinogenicity/Other Information: CAS# 1305-78-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 14807-96-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 7782-42-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 1314-13-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

CAS #	Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7440-66-6	Zinc	n.a.	n.a.	n.a.	n.a.
1305-78-8	Calcium oxide	n.a.	n.a.	n.a.	n.a.
7782-42-5	(Trade Secret)	n.a.	n.a.	n.a.	n.a.
14807-96-6	Talcum	n.a.	3	n.a.	n.a.
1314-13-2	Zinc oxide	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information: Elimination information (persistence and degradability) Bioaccumulation Gasterosteus aculeatus - 25 h. Environmental: Inorganic borates are a water-soluble white powder that may, at high concentrations, cause damage to trees or vegetation by root absorption. No information available. Physical: No information available. Other: Do not empty into drains. Physical: Testing of aquatic toxicity is not meaningful as solubility is poor. Other: After exposing rainbow trout to zinc for a period of 30 days in river water, it was concluded that zinc accumulates in the gills, liver, kidney and opercular bone, but not the muscle.

13. Disposal Considerations

Waste Disposal Method: Product. Observe all federal, state, and local environmental regulations. Contaminated packaging. Dispose of as unused product. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.
RCRA U-Series: None listed.

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14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not regulated as a hazardous material

DOT Hazard Class:

UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: No information available.

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: No information available.

UN Number:

Hazard Class:

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not regulated as a hazardous material

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not regulated as a hazardous material

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7440-66-6	Zinc	No	Yes 1000 LB	Yes-Cat. N982
1305-78-8	Calcium oxide	No	No	No
7782-42-5	(Trade Secret)	No	No	No
14807-96-6	Talcum	No	No	No
1314-13-2	Zinc oxide	No	No	Yes-Cat. N982

This material meets the EPA ☒ Yes ☐ No **Acute (immediate) Health Hazard**
'Hazard Categories' defined ☒ Yes ☐ No **Chronic (delayed) Health Hazard**
for SARA Title III Sections ☐ Yes ☒ No **Fire Hazard**
311/312 as indicated: ☐ Yes ☒ No **Sudden Release of Pressure Hazard**
☐ Yes ☒ No **Reactive Hazard**

CAS #	Components (Chemical Name)	Other US EPA or State Lists
7440-66-6	Zinc	CAA HAP,ODC: No; CWA NPDES: Yes; TSCA: Yes - Inventory, 6A, 12(b); CA PROP.65: No; MA Oil/HazMat: Yes; NJ EHS: Yes - 2021; NY Part 597: Yes; PA HSL: Yes - E
1305-78-8	Calcium oxide	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; NY Part 597: No; PA HSL: Yes - 1
7782-42-5	(Trade Secret)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; NY Part 597: No; PA HSL: Yes - 1
14807-96-6	Talcum	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: Yes - 4203; NY Part 597: No; PA HSL: Yes - 1
1314-13-2	Zinc oxide	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; MA Oil/HazMat: Yes - Cat.; NJ EHS: Yes - Cat.; NY Part 597: No; PA HSL: Yes - E

CAS #	Components (Chemical Name)	International Regulatory Lists
7440-66-6	Zinc	Canadian DSL: Yes; REACH: Yes - (R), (P)

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1305-78-8	Calcium oxide	Canadian DSL: Yes; REACH: Yes - (R), (P)
7782-42-5	(Trade Secret)	Canadian DSL: Yes; REACH: Yes - (R), (P)
14807-96-6	Talcum	Canadian DSL: Yes; REACH: Yes - (P)
1314-13-2	Zinc oxide	Canadian DSL: Yes; REACH: Yes - (R), (P)

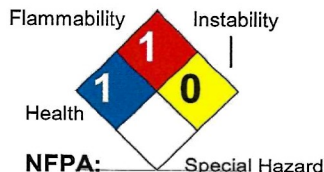
16. Other Information

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Hazard Rating System:

HEALTH	1
FLAMMABILITY	1
PHYSICAL	0
PPE	B

HMIS:



Additional Information About This Product: No data available.

Company Policy or Disclaimer:

The information contained here is based upon data available to us and reflects our best professional judgment. Since it is impossible to anticipate the conditions under which our products may be used, we cannot guarantee that the recommendations will be adequate for all individuals and situations. Each user of this product should determine the suitability of the product with zero or minimum hazards. Our products are improved daily as up-to-date information and research data is recieved from our suppliers in our quest to use products with less or no hazards. Please feel free to contact us for current information.

