Safety Data Sheet

Revision Date: 10-13-2015
Product Code: 33906

1. IDENTIFICATION

Product Name	**CHEM-O-Z INORGANIC ZINC PRIMER ZINC DUST 10 LBS**
Product Code	33906
Document ID	G33906
Revision Number	1
Prior Version Date	None
Restrictions On Use	For Industrial Use Only
Chemical Manufacturer / Importer	JONES-BLAIR® Company, LLC 2728 Empire Central Dallas, TX 75235 1-214-353-1600
Emergency Telephone Number:	ChemTrec Center 1-800-424-9300 **International:** 703-527-3887

2. HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

GHS Classification	This material is not classified as hazardous under the criteria of the OSHA Hazard Communication Standard 29CFR 1910.1200.
Hazards Not Otherwise Classified (HNOC)	Not applicable

Additional Information

Generally not considered a hazardous material. However, practice personal hygiene and avoid contact. Refer to safety data sheets for all materials used.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Component	CAS #	%
Zinc	7440-66-6	90 - 99
Zinc oxide	1314-13-2	1 - 5

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin Contact	Wash with soap and water. Get medical attention if irritation develops or persists.
Ingestion	If swallowed, do not induce vomiting. Get medical attention immediately.

Most Important Acute Symptoms and Effects	Not Available
Most Important Delayed Symptoms and Effects	Not Available

Special treatment needed: No additional first aid information available

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.
Unsuitable Extinguishing Media	No data available
Hazardous Combustion Products	Hydrogen
Special Protective Equipment and Precautions for Fire-Fighters	Do not enter fire area without proper protection including self- contained breathing apparatus and full protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Follow personal protective equipment recommendations found in Section VIII of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including the material spilled, the quantity of the spill, the area in which the spill occurred. See MSDS sections III, XIII and XV for disposal considerations.
Methods and Material for Containment and Cleaning Up	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Dike with suitable absorbent material. Gather and store in a sealed container pending disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Overexposure may be harmful. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. May form flammable dust-air mixtures. Guard against dust accumulation of this material. Remove contaminated clothing and wash before reuse.
Conditions for Safe Storage	Store in a cool dry place. Keep container(s) closed.
Materials to Avoid/Chemical Incompatibility	Oxidizing agents, Acids, Caustics (bases, alkalis), Water, Moisture

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical Component	OSHA PEL	ACGIH TLV-TWA	ACGIH STEL
Zinc oxide	5 mg/m³ TWA (respirable dust); 15 mg/m³ TWA (total dust)	2 mg/m³ TWA (respirable dust)	10 mg/m³ (respirable dust)

Appropriate Engineering Controls	Use local exhaust ventilation or other engineering controls to minimize exposure. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Explosion proof exhaust ventilation should be used.
Respiratory Protection	General or local exhaust ventilation is the preferred means of protection. In cases where ventilation is inadequate, respiratory protection may be required to avoid overexposure. Follow respirator manufacturer's directions for respirator use.
Eye Protection	Wear safety glasses with side shields when handling this product.
Skin Protection	Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Clothing suitable to prevent skin contact.
General Hygiene Conditions	As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. May form flammable dust-air mixtures. Guard against dust accumulation of this material. Remove contaminated clothing and wash before reuse.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical State	Powder
Odor	Odorless
Odor Threshold	No data available
pH	No data available
Melting Point/Freezing Point (℉/℃)	No data available / No data available
Initial Boiling Point and Boiling Range	
Low (℉)	1,664.6
Flammability (solid, gas)	No data available
Upper Flammable/Explosive Limit	No data available
Lower Flammable/Explosive Limit	No data available
Vapor Density	No data available
Relative Density	7.140
Solubility in Water	Negligible; 0-1%
Partition coefficient: n-octanol/water	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature:	No data available
Volatiles, % by volume	0.00
Volatiles, % by weight	0.00
Volatile Organic Chemicals (g/L)	
(Regulatory, Calculated)	0.00
(Actual, Calculated)	0.00
Density	58.50 - 58.70 lbs./Gal

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions. Bulk dust in contact with water or damp air evolves hydrogen. The heat produced during this reaction could ignite the hydrogen. An explosive condition may exist if this happens in a confined space. Dry dust forms explosive mixtures with air, if ignited.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	No data available Contamination. Contact with water. Elevated temperatures.
Incompatible Materials	Oxidizing agents, Acids, Caustics (bases, alkalis), Water, Moisture
Hazardous Decomposition Products	Hydrogen

11. TOXICOLOGICAL INFORMATION

Routes of Exposure
Inhalation
Skin contact
Eye contact
Ingestion

Immediate (Acute) Health Effects by Route of Exposure

Inhalation Irritation May cause respiratory tract irritation.

Skin Contact Can cause minor skin irritation.

Long-Term (Chronic) Health Effects

Inhalation Dust and fumes can cause nausea, gastric pain and irritation to the upper respiratory tract.
Prolonged and continuous exposure within hours of ZnO formation (from burning zinc) may cause metal fume fever. Symptoms are chills, metallic taste, severe headache. Symptoms often persist for 24 hours.

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Product Toxicology Data

Inhalation Dust/Mist Acute Toxicity Estimate (ATE) 42.86 mg/L

Component Toxicology Data

Chemical Component	Oral LD50	Dermal LD50	Inhalation LC50
Zinc	Oral LD50 Rat > 2000 mg/kg	Dermal LD50 Rabbit > 5000 mg/kg	Inhalation LC50 (4h) Rat > 5.40 mg/L
Zinc oxide	Oral LD50 Mouse 7950 mg/kg		Inhalation LC50 Mouse 2,500.00 mg/m³

Carcinogen Information

Chemical Name	IARC Carcinogen	OSHA Carcinogen	NTP Carcinogen
Not applicable			

12. ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available) No data available

Mobility in soil No data available

13. DISPOSAL CONSIDERATIONS

Safe Handling of Waste Refer to other sections of this SDS to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

14. TRANSPORT INFORMATION

This section provides basic shipping classification information and does not contain all regulatory transportation details. Refer to all applicable regulations for domestic, international, air, vessel and ground transportation requirements and restrictions.

DOT Basic Description: Not Regulated

Other: If packaged in units of 1000 pounds or more would be subject to the reportable quantity declaration under 49 CFR, part 172.101, Appendix A: Environmentally Hazardous Substance Solid, n.o.s., 9, UN3077, II, RQ (zinc)

Marine Pollutant: No

15. REGULATORY INFORMATION

TSCA Status All components of this product are either listed on the TSCA Inventory; or, are not subject to the inventory notification requirements.

Regulated Components

SARA EHS Chemicals	CAS #	%
Not applicable		
CERCLA		
Zinc	7440-66-6	90 - 99
SARA 313		
Zinc	7440-66-6	90 - 99
Zinc Oxide	1314-13-2	1 - 5

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SARA 311/312

Health (Acute):	Y
Health (chronic):	N
Fire (Flammable):	N
Pressure:	N
Reactivity:	N

U. S. State Regulations:

California Prop 65 Chemicals

Cancer	**CAS #**	**%**
Lead	7439-92-1	0.001- 0.01
Cadmium	7440-43-9	0.001- 0.01
Reproductive		
Lead	7439-92-1	0.001- 0.01

Canadian Regulations:

CEPA DSL: The components of this product ARE listed on the Canadian Domestic Substances List.

16. OTHER INFORMATION

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Disclaimer This SDS has been prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada's Controlled Product Regulations (CPR). To the best of our knowledge the information contained herein is accurate. Determination of safe handling, application and use of this material is the responsibility of the end user. This information is furnished without warranty, expressed or implied.