

# Safety Data Sheet

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Version: A

## 1. IDENTIFICATION

Product Identifier: 859.06B  
Product Name: ZINC DUST  
Other means of Identification  
SDS#: 859.06B SDS  
Customer and Customer Product Code:  
UN/ID No.: UN 1263

### Recommended use of the product and restrictions on use

**Recommended Use:** For use with 859.06 Part A only.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Wilko Paint, Inc.  
2727 Ohio St.  
P.O. Box 4089  
Wichita, KS 67204

### Emergency Telephone Number

**Company Phone Number:** Toll Free: **1-800-658-3799**

**Emergency Telephone (24 hr):** Chemtrec: **1-800-424-9300**

## 2. HAZARDS IDENTIFICATION

**Physical State:** Solid

### Classification

Acute toxicity - Inhalation (Dusts)

Category 4

### Signal Word

**Warning**



### Hazard Statements

- Causes eye irritation.
  - May cause respiratory irritation.
  - Toxic to aquatic life with long-lasting effects.
- Other: Harmful if ingested or inhaled. See Sections 8 and 16 for more information.

### Precautionary Statements - Prevention

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- Avoid breathing dust.
- Use only outdoors or in a well-ventilated area.
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
- Keep container tightly closed.
- Avoid generating dust, fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source or static charge is a potential dust explosion hazard. Keep dry - contact with water, acid and alkali hydroxides will result in generation of potentially explosive hydrogen gas.

This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected carcinogens. As with any chemicals, asthmatic sensitization can occur from single or repeated exposure. Strict observation of exposure limits is essential (See Section 8).

### **Precautionary Statements - Response**

- If exposed or concerned: Get medical advice/attention.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- IN CASE OF FIRE: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

### **Precautionary Statements - Storage**

Store locked up and out of reach of children, in a well-ventilated place. Keep cool.

### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

### **Other Hazards**

Harmful to aquatic life with long lasting effects.

## 3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Chemical Name	CAS No	Weight - %
METALLIC ZINC POWDER	7440-66-6	95-100
ZINC OXIDE POWDER	1314-13-2	04-05

\*\* If chemical name is "proprietary" or CAS No. is blank, and weight % is zero or listed as a range, then the specific chemical identity and/or percentage of composition is withheld as a trade secret and any exposure limits is listed in Section 8.

## 4. FIRST AID MEASURES

### **First Aid Measures**

- **General Advice** If exposed or concerned: Get medical advice/attention.
- **Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- **Skin Contact** Take off contaminated clothing. Wash skin with soap and water. Wash contaminated clothing before reuse.
- **Inhalation** Remove to fresh air. If not breathing, give artificial respiration.
- **Ingestion** Do not induce vomiting. Call a physician.

**Most important symptoms and effects** May cause skin and eye irritation. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Loss of coordination.

**Indication of any immediate medical attention and special treatment needed** Loss of consciousness, fainting. Blurry or loss of vision.

**Notes to Physician** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

### **FLAMMABILITY CLASSIFICATION**

Not Combustible

### **SUITABLE EXTINGUISHING MEDIA**

Carbon Dioxide, Dry Chemical, Foam.

### **SPECIAL FIRE AND EXPLOSION HAZARDS**

Closed containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**HAZARDOUS COMBUSTION PRODUCTS:** Zinc Oxide

### **SPECIAL FIRE FIGHTING PROCEDURES**

Full protective equipment including self-contained breathing apparatus must be used.

Do not use water when extinguishing burning zinc. Blanket with Class D dry powder type extinguisher or smother with dry sand.

Zinc will react with water to form an explosive and potentially toxic gas.

## 6. ACCIDENTAL RELEASE MEASURES

### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

- Use personal protective equipment as required.
- Keep away from water.
- Remove all sources of ignition. Ventilate the area.
- Remove with inert absorbent and place into an appropriate container for disposal.
- Avoid generation of dust and use spark proof equipment.

## 7. HANDLING AND STORAGE

### HANDLING

- Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
- Use personal protection recommended in Section 8. Avoid breathing vapors or mists.
- During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.
- Consult NFPA Code. Use approved Bonding and Grounding procedures. Use spark-proof tools and explosion-proof equipment.

### STORAGE

- Keep container closed when not in use. Store in a dry, cool and well-ventilated place.
- Transfer only to approved containers with complete and appropriate labeling.
- Do not take internally.
- Keep out of the reach of children.
- Incompatible with strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### PRECAUTIONS TO BE TAKEN IN USING THIS PRODUCT

**NO person should use this product, or be in the area here it is being used, if they have chronic (long-term) lung or breathing problems or if they ever had a reaction to any one ingredients listed in the table below.**

- Use only with adequate ventilation.
- Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.
- Wash hands after using.
- This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 3) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 3, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction).

### EXPOSURE LIMITS

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
METALLIC ZINC POWDER 7440-66-6			
ZINC OXIDE POWDER 1314-13-2		TWA: 5 mg/m <sup>3</sup> STEL: 15 mg/m <sup>3</sup> total dust	TWA: 500 mg/m <sup>3</sup>

**Appropriate engineering controls** Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Wear goggles or safety glasses with unperforated side shields.
<b>Skin and Body Protection</b>	Use solvent resistant gloves and apron or suitable protective clothing, additional use of barrier cream is recommended.
<b>Respiratory Protection</b>	<p>Apply in a spray booth with ventilation that is adequate to keep the TWA TLV below the stated limits as stated in the Section 8 table, otherwise use a positive pressure air supplied respirator (TL19C NIOSH/MSHA approved). If unavailable, a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 8 may be used as long as the TWA TLV are below stated limits. Follow respirator manufacturer's directions for use. Wear the respirator for the duration of spraying and until all vapors and mists are gone.</p> <p><b>ALL PERSONELL IN THE AREA WHERE THIS PRODUCT IS BEING USED MUST BE EQUIPPED WITH THE SAME RESPIRATOR PROTECTION RECOMMENDED FOR THE PAINTERS.</b></p> <p>Wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive, when sanding or abrading dried film.</p>

**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice.

**OTHER PRECAUTIONS**

If this product is to be mixed with other components before use, read and follow warning labels on all components. Intentional misuse by deliberately concentrating and inhaling the dust can be harmful or fatal.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	Solid		
<b>Appearance</b>	Powder	<b>Odor</b>	
<b>Color</b>	Gray	<b>Odor Threshold</b>	Not determined
<b>Property</b>	<b>Values</b>		<b>Remarks • Method</b>
<b>pH</b>	Not determined		
<b>Melting Point/Freezing Point</b>	419 °C / 786.2 °F		
<b>Boiling Point/Boiling Range</b>	907 °C / 1664.6 °F		
<b>Flash Point</b>	Not determined		
<b>Evaporation Rate</b>	Not determined		
<b>Flammability (Solid, Gas)</b>	Not determined		
<b>Upper Explosive Limit (UEL)</b>	Not determined		
<b>Lower Explosive Limit (LEL)</b>	Not determined		
<b>Flammability Limit Vapor</b>	Not determined		
<b>Vapor Pressure</b>	Not determined		
<b>Vapor Density</b>	Not determined		
<b>Specific Gravity</b>	7.05		
<b>Water Solubility</b>	Insoluble		
<b>Solubility in other solvents</b>	Not determined		
<b>Partition Coefficient Auto-</b>	Not determined		
<b>Ignition Temperature</b>	460 °C / 860 °F		
<b>Decomposition</b>	Not determined		
<b>Temperature Kinematic</b>	Not determined		
<b>Viscosity Dynamic</b>	Not determined		
<b>Viscosity</b>	Not determined		
<b>VOC</b>	0.00 #/gal or 0 gr/li		EPA Method 24
<b>VOC Actual</b>	0.00 #/gal or 0 gr/li		Total VOC per gallon, as supplied
<b>Wt/Gal</b>	58.73 #/gal		

## 10. STABILITY AND REACTIVITY

**Reactivity** Not reactive under normal conditions.  
**Chemical Stability** Stable under recommended storage conditions.  
**Possibility of Hazardous Reactions** None under normal processing.  
**Conditions to Avoid** Avoid all possible sources of ignition.  
**Incompatible Materials** Strong oxidizing agents.  
**Hazardous Decomposition Products** Zinc Oxides.

## 11. TOXICOLOGICAL INFORMATION

There is no specific data available for this product.

## 12. ECOLOGICAL INFORMATION

There is no specific data available for this product.

**CAUTION:** Can be toxic to living organisms. Keep out of soil and water stream.  
**ECOTOXICITY EFFECTS:** Harmful to aquatic life with long lasting effects.  
**MOBILITY:** Not available  
**BIOACCUMULATIVE POTENTIAL:** Not available  
**PERSISTANCE / DEGRADABILITY:** Not available

## 13. DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Disposal should be in accordance with applicable regional, national and local laws and regulations. Only EPA approved facility must handle incineration if this method of disposal is chosen.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations (Refer to above).

## 14. TRANSPORT INFORMATION

NOTE Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

UN/ID No  
Proper Shipping Name  
Hazard Class  
Packing Group  
Special Provisions

IATA Not Regulated

UN/ID No  
Proper Shipping Name  
Hazard Class  
Packing Group  
Special Provisions

IMDG Not Regulated

UN/ID No  
Proper Shipping Name  
Hazard Class  
Packing Group  
Marine Pollutant

Not Regulated

DOT: Not Regulated for transport.

IMO/IMDG: Not regulated for transport.

NOTE TO SHIPPER: Description are provided for informational purposes and container sizes and mode of transportation may affect the above data. It is the shipper's responsibility to determine that proper markings for specific container size and mode of shipment is used for specific mode of transport. Packaging must be reviewed for suitability prior to shipment.

## 15. REGULATORY INFORMATION

There is no specific data available for this product.

## 16. OTHER INFORMATION

HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	1	1	J,X**

Personal Protection                      \*\*J=Goggles, impermeable gloves, apron and dust respirator required.  
X=See your supervisor for guidance.

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### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet