



# Safety Data Sheet

## HAYNES ANTI-SEIZE

Haynes Manufacturing Company

### 1. Product and Company Identification

Product Name: Haynes Anti-Seize  
Chemical Name: N/A  
Chemical Family: Petroleum Based Grease Formulations  
Manufacturer: Haynes Manufacturing Co.  
24142 Detroit Road  
Westlake, Ohio 44145, USA

Emergency Telephone Number: 1-800-992-2166 X195  
1-440-871-2188 X195

For MSDS, Product Safety, or Regulatory Inquiries call: 1-800-992-2166  
1-440-871-2188

Customer Service: 1-800-992-2166  
1-440-871-2188

### 2. Hazards Identification

#### 2.1. Classification of the Substance or Mixture

Not a dangerous substance or mixture according to OSHA 29 CFR 1910.1200

#### 2.2. Label Elements

##### EMERGENCY OVERVIEW

Not a dangerous substance or mixture according to OSHA 29 CFR 1910-1200

**Appearance:** No information available **Physical State:** Solid **Odor:** Petroleum

#### **Precautionary Statements – Storage**

Not applicable

#### **Precautionary Statements – Disposal**

Not applicable

#### **Hazards Not Otherwise Classified (HNOC)**

Not applicable

#### **Unknown Toxicity**

93.09% of the mixture consists of ingredient(s) of unknown toxicity

#### 2.3. Other Information

May be harmful in contact with skin



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**3. Composition / Information of Ingredients**

**3.1. Substances**

Not Applicable

**3.2. Mixtures**

Chemical Name	CAS No	Weight -%
Zinc Oxide	1314-13-2	3-7%

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. First Aid Measures**

**4.1. Description of First Aid Measures**

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash skin with soap and water
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

**4.2. Most Important Symptoms and Effects, Both Acute and Delayed**

<b>Symptom</b>	No information available
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**4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed**

<b>Note to Physician</b>	Treat symptomatically.
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**4.4. Reference to Other Sections**

<b>Reference to Other Sections</b>	Section 8: Exposure Controls/Personal Protection Section 11: Toxicological Information
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**5. Fire Fighting Measures**



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**5.1. Extinguishing Media**

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**UnSuitable Extinguishing Media**

Caution: Use of water spray when fighting fire may be inefficient.

**5.2. Special Hazards Arising from the Substance or Mixture**

**Specific Hazards Arising from the Chemical**

No Information available.

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**5.3. Advise for Firefighters**

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. Accidental Release Measures**

**6.1. Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Use personal protective equipment as required.

**6.2. Environmental Precautions**

**Environmental Precautions** Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground, or into any body of water. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional Ecological Information.

**6.3. Methods and Material for Containment and Cleaning Up**

**Methods of Containment** Prevent further leakage or spillage if safe to do so.

**Methods of Cleaning Up** Dam up. Clean contaminated surface thoroughly. Use personal protective equipment as required. Cover liquid spill with sand, earth, or other non-



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combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal.

### 6.4. Reference to Other Sections

**Reference to Other Sections** Section 8: Exposure Controls/Personal Protection  
Section 7: Handling and Storage  
Section 13: Disposal Considerations

## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

**Advice on Safe Handling** Use personal protective equipment as required.  
Ensure adequate ventilation, especially in confined areas.

### 7.2. Conditions for Safe Storage, including any Incompatibilities

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place.

**Incompatible Materials** None known based on information supplied.

### 7.3. Specific End Use(s)

**Other Information** No information available.

### 7.4. Reference to Other Sections

**Reference to Other Sections:** Section 13: Disposal Considerations  
Section 10: Stability and Reactivity

## 8. Exposure Controls / Personal Protection

### 8.1. Control Parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	Mexico
Zinc Oxide 1314-13-2	STEL: 10 mg/m <sup>3</sup> respirable fraction TWA: 2 mg/m <sup>3</sup> respirable fraction	IDLH: 500 mg/m <sup>3</sup> Ceiling: 15 mg/m <sup>3</sup> dust TWA: 5 mg/m <sup>3</sup> dust and fume	TWA: 5 mg/m <sup>3</sup> fume TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>



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		STEL: 10 mg/m <sup>3</sup> fume	respirable fraction
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Chemical Name	Argentina	Brazil	Chile	Venezuela
Zinc Oxide 1314-13-2	TWA: 5 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	-	TWA: 4 mg/m <sup>3</sup>	STEL: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>

### 8.2. Exposure Controls

#### Engineering Controls

Showers  
Eyewash stations  
Ventilation systems

#### Personal protective equipment [PPE]

##### Eye/Face Protection

Wear safety glasses with side shields (or goggles).

##### Skin and Body Protection

Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

##### Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

##### General Hygiene

##### Considerations

When using do not eat, drink, or smoke. Wash contaminated clothing before reuse.

## 9. Physical and Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

**Physical State**

Solid

**Color**

White

**Odor**

Petroleum

**Odor Threshold**

No information available

#### Property

#### Values

#### Remarks-Method

pH

No information available

**Melting Point/Freezing Point**

No information available

**Boiling Point**

No information available



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<b>Flash Point</b>	>215.6°C/>420°F
<b>Evaporation Rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Flammability Limits in Air</b>	
<b>Upper Flammability Limits</b>	No information available
<b>Lower Flammability Limits</b>	No information available
<b>Vapor Pressure</b>	No information available
<b>Vapor Density</b>	No information available
<b>Specific Gravity</b>	No information available
<b>Water Solubility</b>	No information available
<b>Solubility in Other Solvents</b>	No information available
<b>Partition Coefficient</b>	No information available
<b>Autoignition Temperature</b>	No information available
<b>Decomposition Temperature</b>	No information available
<b>Kinematic Viscosity</b>	No information available
<b>Dynamic Viscosity</b>	No information available
<b>Explosive Properties</b>	No information available
<b>Oxidizing Properties</b>	No information available

### **9.2. Other Information**

<b>Softening Point</b>	No information available
<b>Molecular Weight</b>	No information available
<b>Solvent Content (%)</b>	No information available
<b>Solid Content (%)</b>	100.0
<b>Density</b>	.970 g/cm <sup>3</sup>
<b>VOC</b>	No information available

## **10. Stability and Reactivity**

### **10.1. Reactivity**

None under normal use conditions.

### **10.2. Chemical Stability**

Stable under recommended storage conditions.

### **10.3. Possibility of Hazardous Reactions**

None under normal processing.

### **10.4. Conditions to Avoid**

Extremes of temperature and direct sunlight.

### **10.5. Incompatible Materials**

None known based on information supplied.

### **10.6. Hazardous Decomposition Products**



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None known based on information supplied.

**11. Toxicological Information**

**11.1. Information on Toxicological Effects**

<b>Product Information</b>	No data available
<b>Inhalation</b>	No data available
<b>Eye Contact</b>	No data available
<b>Skin Contact</b>	No data available
<b>Ingestion</b>	No data available

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Zinc Oxide 1314-13-2	>5000 mg/kg (Rat)	—	—

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

<b>Symptoms</b>	No information available
<b>Skin Corrosion/Irritation</b>	No information available
<b>Serious Eye Damage/Eye Irritation</b>	No information available
<b>Irritation</b>	No information available
<b>Corrosivity</b>	No information available
<b>Sensitization</b>	No information available
<b>Germ Cell Mutagenicity</b>	No information available
<b>Reproductive Toxicity</b>	No information available
<b>Developmental Toxicity</b>	No information available
<b>Teratogenicity</b>	No information available
<b>STOT-Single Exposure</b>	No information available
<b>STOT-Repeated Exposure</b>	No information available
<b>Chronic Toxicity</b>	No information available
<b>Target Organ Effects</b>	Respiratory system
<b>Aspiration Hazard</b>	No information available
<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by ACGIH, OSHA, IARC, or NTP.

**12. Ecological Information**

**12.1. Toxicity**

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Zinc Oxide 1314-13-2		LC50 (96h) = 0.7 mg/L Fish		



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		(Danio rerio)		
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**12.2. Persistence and Degradability**

No information available.

**12.3. Bioaccumulative Potential**

No information available.

**12.4. Mobility in Soil**

No information available.

**12.5. Results of PBT and vPvB Assessment**

No information available.

**12.6. Other Adverse Effects**

No information available.

**13. Disposal Considerations**

**13.1. Waste Treatment Methods**

**Disposal of Wastes**

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

**Contaminated Packaging**

Dispose of in accordance with federal, state, and local regulations.

**14. Transport Information**

**DOT**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated

**15. Regulatory Information**

**Global Inventories**

<b>TSCA</b>	Listed
<b>DSL</b>	Listed





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**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL** - Canadian Domestic Substances List

**Listed** - The components of this product are either listed or exempt from listing on inventory.

**Not Listed** - One or more components of this product are not listed on inventory.

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

Non-controlled.

**United States of America**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS No
Zinc Oxide	1314-13-2

**California Proposition 65**

This product does not contain one or more substances listed on Proposition 65 at or above 0.01 wt %.

**Europe**

**Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU**

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation.

**EU-REACH (1907/2006) – Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59**

This product does not contain a substance(s) on the SVHC as proposed by ECHA above a concentration of 0.1 wt %.

**16. Other Information**



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**HMIS**

**Health Hazards 1 Flammability 1 Physical Hazards 0 Personal Protection X**

**Key or Legend to Abbreviations and Acronyms Used in the Safety Data Sheet**

No information available

**Key Literature Reference and Sources for Data**

No information available

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Training Advice: No information available  
Further Information: No information available

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