



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
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

Recommended Use: No information available.

Use Advised Against: No information available.

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

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

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

Symptom	No information available
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4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to Physician	Treat symptomatically.
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4.4. Reference to Other Sections

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

5.1. Extinguishing Media



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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-combustible absorbent material. Take up



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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 ³ respirable fraction TWA: 2 mg/m ³ respirable fraction	IDLH: 500 mg/m ³ Ceiling: 15 mg/m ³ dust TWA: 5 mg/m ³ dust and fume STEL: 10 mg/m ³	TWA: 5 mg/m ³ fume TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction	TWA: 5 mg/m ³ TWA: 10 mg/m ³ STEL: 10 mg/m ³



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Chemical Name	Argentina	Brazil	Chile	Venezuela
Zinc Oxide 1314-13-2	TWA: 5 mg/m ³ TWA: 10 mg/m ³ STEL: 10 mg/m ³	-	TWA: 4 mg/m ³	STEL: 10 mg/m ³ TWA: 5 mg/m ³ TWA: 10 mg/m ³

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

<u>Property</u>	<u>Values</u>	<u>Remarks-Method</u>
pH	No information available	
Melting Point/Freezing Point	No information available	
Boiling Point	No information available	
Flash Point	>215.6°C/>420°F	



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Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability Limits in Air	
Upper Flammability Limits	No information available
Lower Flammability Limits	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Specific Gravity	No information available
Water Solubility	No information available
Solubility in Other Solvents	No information available
Partition Coefficient	No information available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Kinematic Viscosity	No information available
Dynamic Viscosity	No information available
Explosive Properties	No information available
Oxidizing Properties	No information available

9.2. Other Information

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

None known based on information supplied.



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11. Toxicological Information

11.1. Information on Toxicological Effects

Product Information	No data available
Inhalation	No data available
Eye Contact	No data available
Skin Contact	No data available
Ingestion	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

Symptoms	No information available
Skin Corrosion/Irritation	No information available
Serious Eye Damage/Eye Irritation	No information available
Irritation	No information available
Corrosivity	No information available
Sensitization	No information available
Germ Cell Mutagenicity	No information available
Reproductive Toxicity	No information available
Developmental Toxicity	No information available
Teratogenicity	No information available
STOT-Single Exposure	No information available
STOT-Repeated Exposure	No information available
Chronic Toxicity	No information available
Target Organ Effects	Respiratory system
Aspiration Hazard	No information available
Carcinogenicity	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 (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

TSCA	Listed
DSL	Listed

Legend:



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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

HMIS



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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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Further Information: No information available

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