



Revision Number: 001.2

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Marine Grade Anti-Seize  
**Product type:** Lubricant

**IDH number:** 299175  
**Item number:** 34395  
**Region:** United States

**Company address:**  
 Henkel Corporation  
 One Henkel Way  
 Rocky Hill, Connecticut 06067

**Contact information:**  
 Telephone: 860.571.5100  
 Emergency telephone: 860.571.5100  
 Internet: www.henkelna.com

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

<b>Physical state:</b>	paste	<b>HMIS:</b>	
<b>Color:</b>	black	<b>HEALTH:</b>	1
<b>Odor:</b>	mild	<b>FLAMMABILITY:</b>	1
		<b>PHYSICAL HAZARD:</b>	0
		<b>Personal Protection:</b>	See MSDS Section 8
<b>CAUTION:</b>		<b>CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.</b>	

**Relevant routes of exposure:** Skin, Inhalation, Eyes

### Potential Health Effects

**Inhalation:** Shortness of breath. Coughing. Moderate respiratory tract irritation.  
**Skin contact:** Moderate skin irritation.  
**Eye contact:** Moderate eye irritation. Redness. Excess tearing.  
**Ingestion:** Principal hazard of ingestion is aspiration into the lungs and subsequent pneumonitis. Not expected to be harmful by ingestion.

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Petroleum Based grease	Unknown	30 - 60
Calcium oxide	1305-78-8	10 - 30
Graphite	7782-42-5	10 - 30
Mineral oil light naphthenic hydrotreat. <3% DMSO	64742-53-6	5 - 10
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	5 - 10
Calcium distearate	1592-23-0	5 - 10
Boron nitride	10043-11-5	1 - 5

## 4. FIRST AID MEASURES

**Inhalation:** Move to fresh air. If symptoms develop and persist, get medical attention.

**Skin contact:** Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention. Wash clothing before reuse.

**Eye contact:** Get medical attention. Immediately flush eyes with plenty of water for at least 15 minutes.

**Ingestion:** Get medical attention. Keep individual calm. Do not induce vomiting: contains petroleum distillates and/or aromatic solvents.

## 5. FIRE FIGHTING MEASURES

**Flash point:** Not applicable

**Autoignition temperature:** Not available.

**Flammable/Explosive limits - lower:** Not available.

**Flammable/Explosive limits - upper:** Not available.

**Extinguishing media:** Water spray (fog), foam, dry chemical or carbon dioxide.

**Special firefighting procedures:** Wear a self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode.

**Unusual fire or explosion hazards:** None

**Hazardous combustion products:** Oxides of nitrogen. Oxides of carbon.

## 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental precautions:** Do not allow product to enter sewer or waterways.

**Clean-up methods:** Scrape up as much material as possible. Clean residue with soap and water. Store in a partly filled, closed container until disposal.

## 7. HANDLING AND STORAGE

**Handling:** Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.

**Storage:** Keep container closed. Keep in a cool, well ventilated area.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Petroleum Based grease	5 mg/m3 TWA mist	5 mg/m3 TWA mist	None	None
Calcium oxide	2 mg/m3 TWA	5 mg/m3 TWA	None	None
Graphite	2 mg/m3 TWA Respirable fraction.	5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust. 15 MPPCF TWA	None	None
Mineral oil light naphthenic hydrotreat. <3% DMSO	5 mg/m3 TWA Inhalable fraction.	500 ppm (2,000 mg/m3) TWA 5 mg/m3 TWA Mist.	None	None
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/m3 TWA mist 10 mg/m3 STEL mist 5 mg/m3 TWA Inhalable fraction.	5 mg/m3 TWA mist 500 ppm (2,000 mg/m3) TWA 5 mg/m3 TWA Mist.	None	None
Calcium distearate	10 mg/m3 TWA 3 mg/m3 TWA Respirable fraction.	None	None	None
Boron nitride	None	None	None	None

**Engineering controls:**

Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

**Respiratory protection:**

Observe OSHA regulations for respiratory use (29 CFR 1910.134). Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**Eye/face protection:**

Safety goggles or safety glasses with side shields.

**Skin protection:**

Use impermeable gloves and protective clothing as necessary to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	paste
<b>Color:</b>	black
<b>Odor:</b>	mild
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Not available.
<b>Vapor pressure:</b>	Not available.
<b>Boiling point/range:</b>	Not available.
<b>Melting point/ range:</b>	Not available.
<b>Specific gravity:</b>	1.2648
<b>Vapor density:</b>	Not available.
<b>Flash point:</b>	Not applicable
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Autoignition temperature:</b>	Not available.
<b>Evaporation rate:</b>	Not available.
<b>Solubility in water:</b>	Insoluble
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>VOC content:</b>	3 %; 38.4 g/l EPA Method 24

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	None reasonably foreseeable.
<b>Incompatible materials:</b>	Strong acids and strong bases. Strong oxidizing agents. Strong reducing agents.
<b>Conditions to avoid:</b>	None known

## 11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Petroleum Based grease	No	No	No
Calcium oxide	No	No	No
Graphite	No	No	No
Mineral oil light naphthenic hydrotreat. <3% DMSO	No	No	No
Distillates (petroleum), hydrotreated heavy naphthenic	No	No	No
Calcium distearate	No	No	No
Boron nitride	No	No	No

Hazardous components	Health Effects/Target Organs
Petroleum Based grease	No Data
Calcium oxide	Irritant, Corrosive, Eyes
Graphite	Lung
Mineral oil light naphthenic hydrotreat. <3% DMSO	Irritant
Distillates (petroleum), hydrotreated heavy naphthenic	Irritant
Calcium distearate	No Target Organs
Boron nitride	Irritant, Corrosive

## 12. ECOLOGICAL INFORMATION

<b>Ecological information:</b>	Not available.
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## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

<b>Recommended method of disposal:</b>	Follow all local, state, federal and provincial regulations for disposal.
<b>Hazardous waste number:</b>	Not a RCRA hazardous waste.

## 14. TRANSPORT INFORMATION

### U.S. Department of Transportation Ground (49 CFR)

<b>Proper shipping name:</b>	Not regulated
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None

### International Air Transportation (ICAO/IATA)

<b>Proper shipping name:</b>	Not regulated
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None

**Water Transportation (IMO/IMDG)**

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None

**15. REGULATORY INFORMATION****United States Regulatory Information**

<b>TSCA 8 (b) Inventory Status:</b>	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
<b>TSCA 12(b) Export Notification:</b>	None above reporting de minimus
<b>CERCLA/SARA Section 302 EHS:</b>	None above reporting de minimus
<b>CERCLA/SARA Section 311/312:</b>	Immediate Health
<b>CERCLA/SARA 313:</b>	None above reporting de minimus
<b>California Proposition 65:</b>	No California Proposition 65 listed chemicals are known to be present.

**Canada Regulatory Information**

<b>CEPA DSL/NDL Status:</b>	All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
<b>WHMIS hazard class:</b>	E, D.2.B

**16. OTHER INFORMATION**

**This material safety data sheet contains changes from the previous version in sections:** New Material Safety Data Sheet format.

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