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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Marine Grade Anti-Seize
Product type: Lubricant
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No.: 34395
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Petroleum Grease	30-60	5 mg/m ³ TWA (mist)	5 mg/m ³ TWA (mist)	None
Calcium oxide 1305-78-8	10-30	2 mg/m ³ TWA	5 mg/m ³ (TWA)	None
Graphite 7782-42-5	10-30	2 mg/m ³ TWA	15 mg/m ³ (total), 5 mg/m ³ (respirable)	None
Calcium stearate 1592-23-0	5-10	10 mg/m ³ TWA	None	None
Boron nitride 10043-11-5	1-5	None	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Paste
Color: Black
Odor: Mild

HEALTH: 1
FLAMMABILITY: 1
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

CAUTION: CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION

Relevant routes of exposure: Skin, inhalation, eyes

Potential Health Effects

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

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

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove 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 shoes. Wash clothing before reuse. Get medical attention if symptoms develop and persist.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion:	Keep individual calm. Do not induce vomiting; contains petroleum distillates and/or aromatic solvents. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash point:	Not applicable Product is a solid. Not classified as a flammable solid per DOT Classification Guidelines Part 173 Appendix E 2/24/95.
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 fire fighting procedures:	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Oxides of carbon. Oxides of nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent product from entering drains or open waters.
Clean-up methods:	Scrape up as much material as possible. Clean residue with soap and water. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.
Storage:	Keep container closed. Keep in a cool, well ventilated area.
Incompatible products:	Not available

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.
Respiratory protection:	Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respiratory use (29 CFR 1910.134).
Skin protection:	Use impermeable gloves and protective clothing as necessary to prevent skin contact.

Eyeface protection: Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Paste
Color: Black
Odor: Mild
Vapor pressure: Not available
pH: Not applicable
Boiling point/range: Not available
Melting point/range: Not available
Specific gravity: 1.2648
Vapor density: Not available
Evaporation rate: Not available
Solubility in water: Insoluble
Partition coefficient (n-octanol/water): Not available
VOC content: VOC content: 3%; 38.4 grams/liter (EPA Method 24)

10. STABILITY AND REACTIVITY

Stability: Stable.
Hazardous polymerization: Will not occur.
Hazardous decomposition products: None reasonably foreseeable
Incompatibility: Strong acids and strong bases. Strong oxidizing agents. Strong reducing agents.
Conditions to avoid: None known.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Petroleum Grease	No	No	No
Calcium oxide 1305-78-8	No	No	No
Graphite 7782-42-5	No	No	No
Calcium stearate 1592-23-0	No	No	No
Boron nitride 10043-11-5	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Petroleum Grease	No data
Calcium oxide 1305-78-8	Irritant, Eyes, Corrosive
Graphite 7782-42-5	Lung
Calcium stearate 1592-23-0	No Target Organs
Boron nitride 10043-11-5	Corrosive, Irritant

12. ECOLOGICAL INFORMATION

Ecological information: Not available
Item No. : 34395

Product name: Marine Grade Anti-Seize

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

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

Proper shipping name:	Unrestricted
Hazard class or division:	None
Identification number:	None
Packing group:	None

International Air Transportation (ICAO/IATA):

Proper shipping name:	Unrestricted
Hazard class or division:	None
Identification number:	None
Packing group:	None

Water Transportation (IMO/IMDG):

Proper shipping name:	Unrestricted
Hazard class or division:	None
Identification number:	None
Packing group:	None
Marine pollutant:	None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification: None.

CERCLA/SARA Section 302 EHS: None.
CERCLA/SARA Section 311/312: Immediate Health Hazard
CERCLA/SARA 313: None.

California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

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

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Revised to new format.

Prepared by: C.J. Michaels, Senior Health & Regulatory Affairs Specialist

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