



Revision Number: 003.1

Issue date: 01/17/2011

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product name:</b>	<b>N-5000 High Purity Anti-Seize</b>	<b>IDH number:</b>	234280
<b>Product type:</b>	Lubricant	<b>Item number:</b>	51243
		<b>Region:</b>	United States
<b>Company address:</b>	<b>Contact information:</b>		
Henkel Corporation	Telephone: 860.571.5100		
One Henkel Way	MEDICAL EMERGENCY Phone: Poison Control Center		
Rocky Hill, Connecticut 06067	1-877-671-4608 (toll free) or 1-303-592-1711		
	TRANSPORT EMERGENCY Phone: CHEMTREC		
	1-800-424-9300 (toll free) or 1-703-527-3887Emergency telephone:		
	860.571.5100		
	Internet: www.henkelna.com		

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

<b>Physical state:</b>	paste	<b>HEALTH:</b>	1
<b>Color:</b>	grey	<b>FLAMMABILITY:</b>	1
<b>Odor:</b>	Petroleum	<b>PHYSICAL HAZARD:</b>	0
		<b>Personal Protection:</b>	See MSDS Section 8
<b>WARNING:</b>	<b>MAY CAUSE ALLERGIC SKIN REACTION.</b>		
	<b>MAY CAUSE EYE IRRITATION.</b>		

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

**Potential Health Effects**

<b>Inhalation:</b>	Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.
<b>Skin contact:</b>	May cause allergic skin reaction. Repeated or prolonged contact may lead to skin irritation, dermatitis or oil acne.
<b>Eye contact:</b>	Contact with eyes will cause irritation.
<b>Ingestion:</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Existing conditions aggravated by exposure:** Eye disorders. Skin 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	%
White Mineral Oil	Unknown	30 - 60
Graphite	7782-42-5	10 - 30
Nickel	7440-02-0	10 - 30

**4. FIRST AID MEASURES**

<b>Inhalation:</b>	If symptoms develop and persist, get medical attention. Move to fresh air.
<b>Skin contact:</b>	Wash with soap and water. If symptoms develop and persist, get medical attention.

**Eye contact:** In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

**Ingestion:** Aspiration may cause pulmonary edema and pneumonitis. Get medical attention. Do not induce vomiting.

**Notes to physician:** Aspiration may cause pulmonary edema or aspiration pneumonia.

## 5. FIRE FIGHTING MEASURES

**Flash point:** 218 °C (424.4 °F)

**Autoignition temperature:** Not available

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

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

**Extinguishing media:** foam Dry chemical. Carbon dioxide.

**Special firefighting procedures:** None

**Unusual fire or explosion hazards:** None

**Hazardous combustion products:** Oxides of carbon. Oxides of nickel. Oxides of aluminum. Metal vapors.

## 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:** Prevent further leakage or spillage if safe to do so. Contain spill.

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

## 7. HANDLING AND STORAGE

**Handling:** Wash thoroughly after handling. Use only with adequate ventilation. Do not get on skin or clothing. Do not breathe gas/fumes/vapor/spray.

**Storage:** Keep container closed. Keep in a cool, well ventilated area. Store away from heat, sparks, flames, or other sources of ignition.

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
White Mineral Oil	5 mg/m3 TWA mist 10 mg/m3 STEL mist	5 mg/m3 TWA mist	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
Nickel	1.5 mg/m3 TWA Inhalable fraction.	1 mg/m3 TWA (as Ni)	None	None

**Engineering controls:** Use positive down-draft exhaust 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).

**Eye/face protection:** Safety goggles or safety glasses with side shields.

**Skin protection:** Neoprene or oil resistant gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** paste  
**Color:** grey  
**Odor:** Petroleum  
**Odor threshold:** Not available  
**pH:** Not available  
**Vapor pressure:** < 5 mm hg (80 °F (26.7 °C))  
**Boiling point/range:** Not available  
**Melting point/ range:** Not available  
**Specific gravity:** 1.2 (GRP 1)  
**Vapor density:** Heavier than air.  
**Flash point:** 218 °C (424.4 °F)  
**Flammable/Explosive limits - lower:** Not available  
**Flammable/Explosive limits - upper:** Not available  
**Autoignition temperature:** Not available  
**Evaporation rate:** Slower than butyl acetate.  
**Solubility in water:** Negligible  
**Partition coefficient (n-octanol/water):** Not available  
**VOC content:** Essentially Zero (Exempt Compounds)

## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Hazardous reactions:** Will not occur.

**Hazardous decomposition products:** No data

**Incompatible materials:** Strong oxidizing agents.

**Conditions to avoid:** No data

## 11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
White Mineral Oil	No	No	No
Graphite	No	No	No
Nickel	Anticipated carcinogen.	Group 2B	No

Hazardous components	Health Effects/Target Organs
White Mineral Oil	Irritant
Graphite	Lung
Nickel	Allergen, Carcinogen, Irritant, Kidney, Mutagen, Reproductive, Respiratory

## 12. ECOLOGICAL INFORMATION

### Ecological information:

No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, ground water, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Follow all local, state, federal and provincial regulations for disposal.

**Hazardous waste number:** Not a RCRA hazardous waste.

## 14. TRANSPORT INFORMATION

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

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

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Environmentally hazardous substance, liquid, n.o.s.  
**Hazard class or division:** 9  
**Identification number:** UN 3082  
**Packing group:** III

### Water Transportation (IMO/IMDG)

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Hazard class or division:** 9  
**Identification number:** UN 3082  
**Packing group:** III

## 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 above reporting de minimus  
**CERCLA/SARA Section 302 EHS:** None above reporting de minimus  
**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health  
**CERCLA/SARA 313:** This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Nickel (CAS# 7440-02-0).  
**California Proposition 65:** This product contains a chemical known in the State of California to cause cancer.

### Canada Regulatory Information

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

## 16. OTHER INFORMATION

**This material safety data sheet contains changes from the previous version in sections:** Corrected information in Section(s):  
1

**Prepared by:** For Safety and Regulatory information contact: Regulatory Affairs Rocky Hill, CT 860-571-5204 Lou Fabrizio,  
Regulatory Affairs Specialist

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Corporation has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Corporation's products. In light of the foregoing, Henkel Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.