



Revision Date: 08/19/2004

Issue date: 04/13/2005

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** Hi Performance N-5000 High Purity Anti-Seize  
**Product type:** Lubricant  
**Company address:**  
Henkel Corporation  
One Henkel Way  
Rocky Hill, Connecticut 06067

**Item No. :** 51572 / IDH No. 234341  
**Region:** United States  
**Contact Information:**  
Telephone: (860) 571-5100  
Emergency telephone: (860) 571-5100  
Internet: www.henkelna.com

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
White mineral oil PROPRIETARY	30-60	5mg/m <sup>3</sup> TWA (mist), 10mg/m <sup>3</sup> STEL (mist)	5mg/m <sup>3</sup> TWA (mist)	None
Graphite 7782-42-5	10-30	2 mg/m <sup>3</sup> TWA respirable fraction, all forms except graphite fibers	15 mg/m <sup>3</sup> (total), 5 mg/m <sup>3</sup> (respirable)	None
Nickel 7440-02-0	10-30	1.5 mg/m <sup>3</sup> TWA inhalable fraction	1 mg/m <sup>3</sup> TWA	None

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

**Physical state:** Paste  
**Color:** Grey  
**Odor:** Petroleum

**HMIS:**

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

**WARNING:** MAY CAUSE ALLERGIC SKIN REACTION.  
MAY CAUSE EYE IRRITATION.

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

**Potential Health Effects**

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

**Existing conditions aggravated by exposure:** Eye disorders. Skin disorders.

See Section 11 for additional toxicological information.

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If symptoms develop and persist, get medical attention.
<b>Skin contact:</b>	Wash with soap and water. Get medical attention if symptoms develop and persist.
<b>Eye contact:</b>	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<b>Ingestion:</b>	Do not induce vomiting. Aspiration may cause pulmonary edema and pneumonitis. Obtain medical attention.
<b>Notes to physician:</b>	Aspiration may cause pulmonary edema or aspiration pneumonia.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	218°C (425°F) (estimated)
<b>Autoignition temperature:</b>	Not available
<b>Flammable/Explosive limits-lower %:</b>	Not available
<b>Flammable/Explosive limits-upper %:</b>	Not available
<b>Extinguishing media:</b>	Carbon dioxide (CO2). Dry chemical. Foam.
<b>Special fire fighting procedures:</b>	None
<b>Unusual fire or explosion hazards:</b>	None
<b>Hazardous combustion products:</b>	Metal vapors Oxides of carbon. Oxides of aluminum. Oxides of nickel

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Prevent further leakage or spillage. Contain spill.
<b>Clean-up methods:</b>	Scrape up. Store in a closed container until ready for disposal.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Use only with adequate ventilation. Do not get on skin or clothing. Do not breathe mist or vapors. Wash thoroughly after handling.
<b>Storage:</b>	Keep container closed. Keep in a cool, well ventilated area. Store away from heat, sparks, flames, or other sources of ignition.
<b>Incompatible products:</b>	No special restrictions on storage with other products.

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

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls:</b>	Use positive down-draft exhaust ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.
<b>Respiratory protection:</b>	Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respiratory use (29 CFR 1910.134).
<b>Skin protection:</b>	Neoprene or oil resistant gloves
<b>Eye/face protection:</b>	Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Item No. : 51572 / IDH No. 234341

2 of 4

Product name: Hi Performance N-5000 High Purity Anti-Seize

**Physical state:** Paste  
**Color:** Grey  
**Odor:** Petroleum  
**Vapor pressure:** Less than 5 mm Hg at 26.6°C (80°F)  
**pH:** Not applicable  
**Boiling point/range:** Not available  
**Melting point/range:** Not available  
**Specific gravity:** 1.2  
**Vapor density:** Heavier than air  
**Evaporation rate:** Slower than butyl acetate  
**Solubility in water:** Slightly soluble  
**Partition coefficient (n-octanol/water):** Not available  
**VOC content:** Essentially Zero (Exempt Compounds)

## 10. STABILITY AND REACTIVITY

**Stability:** Stable.  
**Hazardous polymerization:** Will not occur.  
**Hazardous decomposition products:** No data available  
**Incompatibility:** Strong oxidizing agents.  
**Conditions to avoid:** No data available

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
White mineral oil PROPRIETARY	No	No	No
Graphite 7782-42-5	No	No	No
Nickel 7440-02-0	Known Carcinogen Suspect Carcinogen	Group 2B	Yes

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
White mineral oil PROPRIETARY	No data
Graphite 7782-42-5	Lung
Nickel 7440-02-0	Allergen, Human carcinogen, Irritant, Kidney, Mutagen, Reproductive, Respiratory

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Dispose of in accordance with Federal, State and local regulations.

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

## 14. TRANSPORT INFORMATION

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

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

**Proper shipping name:** Unrestricted

**Item No. :** 51572 / IDH No. 234341

**Product name:** Hi Performance N-5000 High Purity Anti-Seize

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, Delayed Health Hazard  
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 to the State of California to cause cancer. Nickel (CAS# 7440-02-0).

**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.A, D.2.B

## 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 2

Prepared by: Regulatory Affairs

**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.