

Revision Date: 01/09/2008

Issue date: 03/14/2008

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

**Item No. :** 77164 / IDH No. 135543  
**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 Distillates Proprietary	30-60	5 mg/m <sup>3</sup> TWA (mist) 10mg/m <sup>3</sup> STEL (mist)	5 mg/m <sup>3</sup> TWA (mist)	None
Nickel 7440-02-0	10-30	1.5 mg/m <sup>3</sup> TWA	1 mg/m <sup>3</sup> TWA	None
Graphite 7782-42-5	10-30	2 mg/m <sup>3</sup> TWA all forms except graphite fibers	15 mg/m <sup>3</sup> (total), 5 mg/m <sup>3</sup> (respirable)	None
Sodium Sulfonate Proprietary	1-5	None	None	None
Aluminum 7429-90-5	1-5	10 mg/m <sup>3</sup> TWA	15 mg/m <sup>3</sup> TWA (total), 5 mg/m <sup>3</sup> ( respirable)	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>	Greater than 93°C (200°F) Tagliabue closed cup
<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 a NIOSH approved air purifying respirator with an organic vapor cartridge if the potential to exceed established exposure limits exists. 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

<b>Physical state:</b>	Paste
<b>Color:</b>	Grey
<b>Odor:</b>	Petroleum
<b>Vapor pressure:</b>	Less than 5 mm Hg at 26.6°C (80°F)
<b>pH:</b>	Not applicable
<b>Boiling point/range:</b>	Not available
<b>Melting point/range:</b>	Not available
<b>Specific gravity:</b>	1.1
<b>Vapor density:</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Solubility in water:</b>	Negligible.
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>VOC content:</b>	2.47%; 27 grams/liter

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Petroleum Distillates Proprietary	No	No	No
Nickel 7440-02-0	Known Carcinogen Suspect Carcinogen	Group 2B	Yes
Graphite 7782-42-5	No	No	No
Sodium Sulfonate Proprietary	No	No	No
Aluminum 7429-90-5	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Petroleum Distillates Proprietary	Irritant
Nickel 7440-02-0	Allergen, Human carcinogen, Irritant, Kidney, Mutagen, Reproductive, Respiratory
Graphite 7782-42-5	Lung
Sodium Sulfonate Proprietary	No Target Organs
Aluminum 7429-90-5	Central nervous system, Irritant, Lung

## 12. ECOLOGICAL INFORMATION

<b>Ecological information:</b>	Not available
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### 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
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/MDG):**

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). Aluminum (CAS# 7429-90-5) (dust and fumes only).

**California Proposition 65:** This product contains a chemical known to 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 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: 2,11

**Prepared by:** Regulatory Affairs

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