



Revision Date: 08/19/2004

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Metal Free N-7000 High Purity Anti-Seize  
**Product type:** Lubricant  
**Company address:**  
Henkel Corporation  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067

**Item No. :** 51270  
**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>
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
Calcium oxide 1305-78-8	10-30	2 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> (TWA)	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

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

##### HMIS:

**Physical state:** Paste  
**Color:** Dark grey  
**Odor:** Oily

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

**WARNING:** CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION

**Relevant routes of exposure:** Skin, inhalation, eyes

#### Potential Health Effects

**Inhalation:** May cause respiratory tract irritation. Mist or spray may cause respiratory tract irritation and delayed onset pulmonary edema.  
**Skin contact:** Severe skin irritation. Repeated or prolonged contact may lead to skin irritation, dermatitis or oil acne.  
**Eye contact:** Severe eye irritation.  
**Ingestion:** Irritation and corrosive action can occur in the mouth, stomach tissue and digestive tract if swallowed. Aspirated material can enter the lungs and result in pneumonitis.

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory 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 occur. Wash clothing before reuse.
<b>Eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. 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 (424°F) 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>	Water spray (fog), foam, dry chemical or carbon dioxide.
<b>Special fire fighting procedures:</b>	None
<b>Unusual fire or explosion hazards:</b>	None
<b>Hazardous combustion products:</b>	Oxides of carbon.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Ventilate area. Prevent product from entering drains or open waters.
<b>Clean-up methods:</b>	Soak up with inert absorbent. Store in a closed container until ready for disposal.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.
<b>Storage:</b>	Keep container closed. Keep in a cool, well ventilated area.
<b>Incompatible products:</b>	None reasonably foreseeable.

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

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls:</b>	Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.
<b>Respiratory protection:</b>	Not normally required. 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>	Chemical resistant, impermeable gloves.
<b>Eye/face protection:</b>	Safety glasses with side-shields. Goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Paste
<b>Color:</b>	Dark grey
<b>Odor:</b>	Oily
<b>Vapor pressure:</b>	Not available
<b>pH:</b>	Not applicable
<b>Boiling point/range:</b>	Not available
<b>Melting point/range:</b>	Not available
<b>Specific gravity:</b>	1.1687
<b>Vapor density:</b>	Not available
<b>Evaporation rate:</b>	Less than butyl acetate.
<b>Solubility in water:</b>	Insoluble
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>VOC content:</b>	Essentially Zero

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable.
<b>Hazardous polymerization:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Hydrocarbons
<b>Incompatibility:</b>	Oxidizing agents.
<b>Conditions to avoid:</b>	Prolonged exposure to heat.

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
White mineral oil PROPRIETARY	No	No	No
Calcium oxide 1305-78-8	No	No	No
Graphite 7782-42-5	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
White mineral oil PROPRIETARY	No data
Calcium oxide 1305-78-8	Irritant, Eyes, Corrosive
Graphite 7782-42-5	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 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, Delayed 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/NDSL 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: 2

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