



Revision Date: 08/19/2004

Issue date: 08/19/2004

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

<b>Product name:</b> Metal Free N-7000 High Purity Anti-Seize	<b>Item No. :</b> 51270
<b>Product type:</b> Lubricant	<b>Region:</b> United States
<b>Company address:</b> Henkel Corporation 1001 Trout Brook Crossing Rocky Hill, Connecticut 06067	<b>Contact Information:</b> 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**

<u>EMERGENCY OVERVIEW</u>	
<u>HMS:</u>	
<b>Physical state:</b> Paste	<b>HEALTH:</b> 1
<b>Color:</b> Dark grey	<b>FLAMMABILITY:</b> 1
<b>Odor:</b> Oily	<b>PHYSICAL HAZARD:</b> 0
	<b>Personal Protection:</b> See Section 8
<b>WARNING: CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION</b>	

Relevant routes of exposure: Skin, inhalation, eyes

Potential Health Effects

<b>Inhalation:</b>	May cause respiratory tract irritation. Mist or spray may cause respiratory tract irritation and delayed onset pulmonary edema.
<b>Skin contact:</b>	Severe skin irritation. Repeated or prolonged contact may lead to skin irritation, dermatitis or oil acne.
<b>Eye contact:</b>	Severe eye irritation.
<b>Ingestion:</b>	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.

See Section 2 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

## 10. STABILITY AND REACTIVITY

Stability: Stable.  
Hazardous polymerization: Will not occur.  
Hazardous decomposition products: Hydrocarbons  
Incompatibility: Oxidizing agents.  
Conditions to avoid: 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

Ecological information: Not available

### 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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