Material Safety Data Sheet

Revision Number: 002.3

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **Metal Free N-7000 High Purity Anti-Seize**
Product type: Lubricant

IDH number: 234290
Item number: 51273
Region: United States

Company address:
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

Contact information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state:	Paste	**HEALTH:**	1
Color:	Grey	**FLAMMABILITY:**	1
Odor:	Characteristic	**PHYSICAL HAZARD:**	0
		Personal Protection:	See MSDS 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: Repeated or prolonged contact may lead to skin irritation, dermatitis or oil acne. Severe skin irritation.

Eye contact: Severe eye irritation.

Ingestion: Aspirated material can enter the lungs and result in pneumonitis. Irritation and corrosive action can occur in the mouth, stomach tissue and digestive tract if swallowed.

Existing conditions aggravated by exposure: Eye, skin, and respiratory 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
Calcium oxide	1305-78-8	10 - 30
Graphite	7782-42-5	10 - 30
Calcium distearate	1592-23-0	5 - 10
Butyl hydroxytoluene	128-37-0	0.1 - 1
Octadecanoic acid	57-11-4	0.1 - 1
Quartz (SiO2)	14808-60-7	0 - 0.1

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If symptoms develop and persist, get medical attention.

Skin contact:	Wash with soap and water. If symptoms develop and persist, get medical attention. Wash clothing before reuse.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion:	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:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures:	None
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Oxides of carbon.

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:	Ventilate area. Do not allow product to enter sewer or waterways.
Clean-up methods:	Store in a partly filled, closed container until disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling:	Wash thoroughly after handling. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.
Storage:	Keep in a cool, well ventilated area. Keep container closed.

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
Calcium oxide	2 mg/m3 TWA	5 mg/m3 TWA	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
Calcium distearate	10 mg/m3 TWA 3 mg/m3 TWA Respirable fraction.	None	None	None
Butyl hydroxytoluene	2 mg/m3 TWA Inhalable fraction and vapor.	None	None	None
Octadecanoic acid	10 mg/m3 TWA	None	None	None
Quartz (SiO2)	0.025 mg/m3 TWA Respirable fraction.	2.4 MPPCF TWA Respirable. 0.1 mg/m3 TWA Respirable. 0.3 mg/m3 TWA Total dust.	None	None

Engineering controls: Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

Respiratory protection: Observe OSHA regulations for respiratory use (29 CFR 1910.134). Not normally required. Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Eye/face protection: Goggles. Safety glasses with side-shields.

Skin protection: Chemical resistant, impermeable gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Paste
Color: Grey
Odor: Characteristic
Odor threshold: Not available
pH: Not available
Vapor pressure: Not available
Boiling point/range: Not available
Melting point/ range: Not available
Specific gravity: 1.1687
Vapor density: Not available
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: 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 reactions: Will not occur.

Hazardous decomposition products: Hydrocarbons.

Incompatible materials: Oxidizing agents.

Conditions to avoid: Prolonged exposure to heat.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
White Mineral Oil	No	No	No
Calcium oxide	No	No	No
Graphite	No	No	No
Calcium distearate	No	No	No
Butyl hydroxytoluene	No	No	No
Octadecanoic acid	No	No	No
Quartz (SiO2)	Known carcinogen.	Group 1	No

Hazardous components	Health Effects/Target Organs
White Mineral Oil	Irritant
Calcium oxide	Irritant, Corrosive, Eyes
Graphite	Lung
Calcium distearate	No Target Organs
Butyl hydroxytoluene	Irritant, Mutagen
Octadecanoic acid	Irritant
Quartz (SiO2)	Immune system, Lung, Some evidence of carcinogenicity

12. ECOLOGICAL INFORMATION

Ecological information: Do not empty into drains / surface water / ground water. Precautions required with respect to Environmental Hazards of articles in which this product is used should be considered.

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: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	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 above reporting de minimus
CERCLA/SARA Section 302 EHS:	None above reporting de minimus
CERCLA/SARA Section 311/312:	Delayed Health, Immediate Health
CERCLA/SARA 313:	None above reporting de minimus
California Proposition 65:	This product contains a chemical known in the State of California to cause cancer.

Canada Regulatory Information

CEPA DSL/NDSL 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: New Material Safety Data Sheet format.

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