



Revision Number: 003.1

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Nickel Grade Anti-Seize
Product type: Lubricant
Company address: Henkel Corporation
 One Henkel Way
 Rocky Hill, Connecticut 06067

IDH number: 235028
Item number: 77124
Region: United States

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

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	paste	HEALTH:	1
Color:	grey	FLAMMABILITY:	1
Odor:	Petroleum	PHYSICAL HAZARD:	0
		Personal Protection:	See MSDS Section 8

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

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.

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	%
Petroleum Distillates	Proprietary	30 - 60
Nickel	7440-02-0	10 - 30
Graphite	7782-42-5	10 - 30
Sodium petroleum sulfonates	Proprietary	1 - 5
Aluminum not powder, dust or fume	7429-90-5	1 - 5

4. FIRST AID MEASURES

Inhalation: If symptoms develop and persist, get medical attention. Move to fresh air.
Skin contact: Wash with soap and water. If symptoms develop and persist, get medical attention.

Eye contact:	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
Ingestion:	Aspiration may cause pulmonary edema and pneumonitis. Do not induce vomiting. Get medical attention.
Notes to physician:	Aspiration may cause pulmonary edema or aspiration pneumonia.

5. FIRE FIGHTING MEASURES

Flash point:	> 93 °C (> 199.4 °F)
Autoignition temperature:	Not available
Flammable/Explosive limits - lower:	Not available
Flammable/Explosive limits - upper:	Not available
Extinguishing media:	foam Dry chemical. Carbon dioxide.
Special firefighting procedures:	None
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Metal vapors. Oxides of carbon. Oxides of aluminum. Oxides of nickel.

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:	Prevent further leakage or spillage if safe to do so. Contain spill.
Clean-up methods:	Store in a partly filled, closed container until disposal. Scrape up as much material as possible.

7. HANDLING AND STORAGE

Handling:	Use only with adequate ventilation. Do not get on skin or clothing. Do not breathe gas/fumes/vapor/spray. Wash thoroughly after handling.
Storage:	Store away from heat, sparks, flames, or other sources of ignition. 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
Petroleum Distillates	5 mg/m3 TWA mist 10 mg/m3 STEL mist 5 mg/m3 TWA Inhalable fraction.	5 mg/m3 TWA mist 500 ppm (2,000 mg/m3) TWA 5 mg/m3 TWA Mist.	None	None
Nickel	1.5 mg/m3 TWA Inhalable fraction.	1 mg/m3 TWA (as Ni)	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
Sodium petroleum sulfonates	None	None	None	None
Aluminum not powder, dust or fume	1 mg/m3 TWA Respirable fraction.	15 mg/m3 TWA (as Al) Total dust. 5 mg/m3 TWA (as Al) Respirable dust.	None	None

Engineering controls:

Use positive down-draft exhaust 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). Use a NIOSH approved supplied air respirator with an organic cartridge if the potential to exceed established exposure limits exists. Observe OSHA regulations for respiratory use (29 CFR 1910.134). Use a NIOSH approved supplied air respirator with an organic cartridge if the potential to exceed established exposure limits exists.

Eye/face protection:

Safety goggles or safety glasses with side shields. Safety goggles or safety glasses with side shields.

Skin protection:

Neoprene or oil resistant gloves. Neoprene or oil resistant gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	paste
Color:	grey
Odor:	Petroleum
Odor threshold:	Not available
pH:	Not available
Vapor pressure:	< 5 mm hg (80 °F (26.7 °C))
Boiling point/range:	Not available
Melting point/ range:	Not available
Specific gravity:	1.1
Vapor density:	Not available
Flash point:	> 93 °C (> 199.4 °F)
Flammable/Explosive limits - lower:	Not available
Flammable/Explosive limits - upper:	Not available
Autoignition temperature:	Not available
Evaporation rate:	Not available
Solubility in water:	Negligible
Partition coefficient (n-octanol/water):	Not available
VOC content:	2.47 %; 27 g/l

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	No data
Incompatible materials:	Strong oxidizing agents.
Conditions to avoid:	No data

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Petroleum Distillates	No	No	No
Nickel	Anticipated carcinogen.	Group 2B	No
Graphite	No	No	No
Sodium petroleum sulfonates	No	No	No
Aluminum not powder, dust or fume	No	No	No

Hazardous components	Health Effects/Target Organs
Petroleum Distillates	Irritant
Nickel	Allergen, Carcinogen, Irritant, Kidney, Mutagen, Reproductive, Respiratory
Graphite	Lung
Sodium petroleum sulfonates	No Target Organs
Aluminum not powder, dust or fume	Central nervous system, Irritant, Lung

12. ECOLOGICAL INFORMATION

Ecological information: Not available

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:	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 not powder, dust or fume (CAS# 7429-90-5).
California Proposition 65:	This product contains a chemical known in 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 Canadian Domestic Substances List.
WHMIS hazard class:	D.2.B, D.2.A

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Not available

Prepared by: For Safety and Regulatory information contact: Regulatory Affairs Rocky Hill, CT 860-571-5204 Lou Fabrizio, Regulatory Affairs Specialist

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