



Revision Date: 03/25/2004

Issue date: 03/25/2004

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Nickel Grade Anti-Seize	Item number: 77164
Product type: Lubricant	Region: United States
Company address: Henkel Corporation 1001 Trout Brook Crossing Rocky Hill, Connecticut 06067	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 ³ TWA (mist) 10mg/m ³ STEL (mist)	5 mg/m ³ TWA (mist)	None
Nickel 7440-02-0	10-30	1.5 mg/m ³ TWA	1 mg/m ³ TWA	None
Graphite 7782-42-5	10-30	2 mg/m ³ TWA	15 mg/m ³ (total), 5 mg/m ³ (respirable)	None
Sodium Sulfonate Proprietary	1-5	None	None	None
Oxygenated hydrocarbon Proprietary	1-5	None	None	None
Aluminum 7429-90-5	1-5	10 mg/m ³ TWA 5 mg/m ³ TWA	15 mg/m ³ TWA (total), 5 mg/m ³ (respirable)	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Paste		HEALTH: 1	
Color: Grey		FLAMMABILITY: 1	
Odor: Petroleum		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.

Item number: 77164

Product name: Nickel Grade Anti-Seize

Existing conditions aggravated by exposure:

Eye disorders. Skin disorders.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

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

Skin contact: Wash with soap and water. Get medical attention if symptoms develop and persist.

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion: Do not induce vomiting. Aspiration may cause pulmonary edema and pneumonitis. Obtain medical attention.

Notes to physician: Aspiration may cause pulmonary edema or aspiration pneumonia.

5. FIRE-FIGHTING MEASURES

Flash point: Greater than 93°C (200°F) Tagliabue closed cup

Autoignition temperature: Not available

Flammable/Explosive limits-lower %: Not available

Flammable/Explosive limits-upper %: Not available

Extinguishing media: Carbon dioxide (CO2). Dry chemical. Foam.

Special fire fighting 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

Environmental precautions: Prevent further leakage or spillage. Contain spill.

Clean-up methods: Scrape up Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling: Use only with adequate ventilation. Do not get on skin or clothing. Do not breathe mist or vapors. Wash thoroughly after handling.

Storage: Keep container closed. Keep in a cool, well ventilated area. Store away from heat, sparks, flames, or other sources of ignition.

Incompatible products: 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

Engineering controls: Use positive down-draft exhaust ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respiratory use (29 CFR 1910.134).

Skin protection: Neoprene or oil resistant gloves

Eye/face protection: Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: No data available

Incompatibility: Strong oxidizing agents.

Conditions to avoid: No data available

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Petroleum Distillates Proprietary	No	No	No
Nickel	Known Carcinogen Suspect Carcinogen	Group 2B	Yes
Graphite	No	No	No
Sodium Sulfonate Proprietary	No	No	No
Oxygenated hydrocarbon Proprietary	No	No	No
Aluminum	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Petroleum Distillates Proprietary	Irritant
Nickel	Allergen, Human carcinogen, Irritant, Kidney, Mutagen, Reproductive, Respiratory
Graphite	Lung
Sodium Sulfonate Proprietary	No Target Organs
Oxygenated hydrocarbon Proprietary	No data
Aluminum	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: 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/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:	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. Nickel (CAS# 7440-02-0). Nickel carbide (CAS# 12710-36-0). Nickel oxide (CA# 1313-99-1).

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: Revised to new format.

Prepared by: C.J. Michaels, Senior Health & Regulatory Affairs Specialist

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Corporation has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Corporation's products. In light of the foregoing, Henkel Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.