Material Safety Data Sheet

Henkel Technologies

Revision Date: 08/19/2004 **Issue date:** 08/19/2004

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: N-5000 High Purity Anti-Seize
Product type: Lubricant
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 51243
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	%	ACGIH TLV	OSHA PEL	OTHER
White mineral oil PROPRIETARY	30-60	5mg/m³ TWA (mist), 10mg/m³ STEL (mist)	5mg/m³ TWA (mist)	None
Graphite 7782-42-5	10-30	2 mg/m³ TWA respirable fraction, all forms except graphite fibers	15 mg/m³ (total), 5 mg/m³ (respirable)	None
Nickel 7440-02-0	10-30	1.5 mg/m³ TWA inhalable fraction	1 mg/m³ TWA	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Paste
Color: Grey
Odor: Petroleum

HMIS:

HEALTH:	1
FLAMMABILITY:	1
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.

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: 218%425°C (°F) Pensky Martens closed cup

Autoignition temperature: Not available

Flammable/Explosive limits-lower %: Not available

Flammable/Explosive limits-upper %: Not available

Extinguishing media: Carbon dioxide (CO_2). 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 26.6ºC (80ºF)
pH:	Not applicable
Boiling point/range:	Not available
Melting point/range:	Not available
Specific gravity:	1.2
Vapor density:	Heavier than air
Evaporation rate:	Slower than butyl acetate
Solubility in water:	Negligible
Partition coefficient (n-octanol/water):	Not available
VOC content:	Essentially Zero (Exempt Compounds)

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: No data available

Incompatability: Strong oxidizing agents.

Conditions to avoid: No data available

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
White mineral oil PROPRIETARY	No	No	No
Graphite 7782-42-5	No	No	No
Nickel 7440-02-0	Known Carcinogen Suspect Carcinogen	Group 2B	Yes

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
White mineral oil PROPRIETARY	No data
Graphite 7782-42-5	Lung
Nickel 7440-02-0	Allergen, Human carcinogen, Irritant, Kidney, Mutagen, Reproductive, Respiratory

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 classiciation 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

WaterTransportation (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).

California Proposition 65: This product contains a chemical known to the State of California to cause cancer. Nickel (CAS# 7440-02-0).

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.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 2

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