



Revision Number: 003.2

Issue date: 01/06/2014

1. PRODUCT AND COMPANY IDENTIFICATION

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|-------------------------------|-----------------------------------|---------------------|---------------|
| Product name: | Nickel Grade Anti-Seize | IDH number: | 135543 |
| Product type: | Lubricant | Item number: | 77164 |
| | | Region: | United States |
| Company address: | Contact information: | | |
| Henkel Corporation | Telephone: 860.571.5100 | | |
| One Henkel Way | Emergency telephone: 860.571.5100 | | |
| Rocky Hill, Connecticut 06067 | 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

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|----------------------|--|
| 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

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| 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

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|--|---|
| 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.

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| 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

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|------------------|---|
| 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/m ³ TWA Inhalable fraction. 5 mg/m ³ TWA mist 10 mg/m ³ STEL mist | 5 mg/m ³ TWA mist 500 ppm (2,000 mg/m ³) PEL 5 mg/m ³ PEL Mist. | None | None |
| Nickel | 1.5 mg/m ³ TWA Inhalable fraction. | 1 mg/m ³ PEL (as Ni) | None | None |
| Graphite | 2 mg/m ³ TWA Respirable fraction. | 5 mg/m ³ PEL Respirable fraction. 15 mg/m ³ PEL Total dust. 15 MPPCF TWA | None | None |
| Sodium petroleum sulfonates | None | None | None | None |
| Aluminum not powder, dust or fume | 1 mg/m ³ TWA Respirable fraction. | 5 mg/m ³ PEL (as Al) Respirable dust. 15 mg/m ³ PEL (as Al) Total 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 respirator 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.

Skin protection:

Neoprene or oil resistant gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

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|---|-----------------------------|
| 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

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|--|--------------------------|
| 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 | No | No | 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

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|---|---|
| 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 minimis |
| CERCLA/SARA Section 302 EHS: | None above reporting de minimis |
| CERCLA/SARA Section 311/312: | Delayed Health, Immediate Health |
| CERCLA/SARA Section 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

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|-----------------------------|---|
| 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: Reviewed MSDS. Reissued with new date.

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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