



Revision Number: 005.0

Issue date: 08/22/2017

1. PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|---------------------|---|--|---------------|
| Product name: | Ford Motorcraft(R) High Temperature Nickel Anti-Seize Lubricant | IDH number: | 622064 |
| Product type: | Lubricant | Item number: | 38974 |
| Restriction of Use: | None identified | Region: | United States |
| Company address: | Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067 | Contact information: | |
| | | Telephone: (860) 571-5100 MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887 Internet: www.henkelna.com | |

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

| | |
|---------|---|
| DANGER: | MAY CAUSE AN ALLERGIC SKIN REACTION. SUSPECTED OF CAUSING CANCER. CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. |
|---------|---|

| HAZARD CLASS | HAZARD CATEGORY |
|--|-----------------|
| SKIN SENSITIZATION | 1 |
| CARCINOGENICITY | 2 |
| SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE | 1 |

PICTOGRAM(S)



Precautionary Statements

| | |
|-------------|---|
| Prevention: | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust or fumes. Wash affected area thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, clothing, eye and face protection. |
| Response: | IF ON SKIN: Wash with plenty of water. IF exposed or concerned: Get medical attention. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse. |
| Storage: | Store locked up. |
| Disposal: | Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations. |

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

IDH number: 622064

Product name: Ford Motorcraft(R) High Temperature Nickel Anti-Seize Lubricant
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| Hazardous Component(s) | CAS Number | Percentage* |
|--|------------|-------------|
| Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 50 - 60 |
| Nickel | 7440-02-0 | 10 - 20 |
| Graphite | 7782-42-5 | 5 - 10 |
| Distillates (petroleum), hydrotreated heavy paraffinic | 64742-54-7 | 1 - 5 |
| Aluminum not powder, dust or fume | 7429-90-5 | 1 - 5 |

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

- Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
- Skin contact:** Remove contaminated clothing and footwear. Immediately flush skin with plenty of water (using soap, if available). If symptoms develop and persist, get medical attention. Wash clothing before reuse.
- Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms develop and persist, get medical attention.
- Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.
- Symptoms:** See Section 11.

5. FIRE FIGHTING MEASURES

- Extinguishing media:** Foam, dry chemical or carbon dioxide.
- Special firefighting procedures:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray.
- Unusual fire or explosion hazards:** None
- Hazardous combustion products:** Oxides of carbon. Oxides of Metals in Section 3. Toxic and irritating vapors.

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:** Do not allow product to enter sewer or waterways.
- Clean-up methods:** Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Scrape up as much material as possible. Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

- Handling:** Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed.
- Storage:** Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

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 Component(s) | ACGIH TLV | OSHA PEL | AIHA WEEL | OTHER |
|--|--|---|-----------|-------|
| Distillates (petroleum), hydrotreated heavy naphthenic | 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 |
| Distillates (petroleum), hydrotreated heavy paraffinic | 5 mg/m ³ TWA mist 10 mg/m ³ STEL mist | 5 mg/m ³ TWA mist 5 mg/m ³ PEL Mist. | None | None |
| Aluminum not powder, dust or fume | None | 5 mg/m ³ PEL (as Al) Respirable fraction. 15 MPPCF TWA Respirable fraction. 50 MPPCF TWA Total dust. 5 mg/m ³ TWA Respirable fraction. 15 mg/m ³ TWA Total dust. | None | None |

Engineering controls: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Eye/face protection: Safety goggles or safety glasses with side shields. Safety showers and eye wash stations should be available.

Skin protection: Chemical resistant, impermeable gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|-----------------------------|
| Physical state: | Paste |
| Color: | Gray |
| 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. |
| Flammability: | Not applicable |
| Evaporation rate: | Not available. |
| Solubility in water: | Negligible |
| Partition coefficient (n-octanol/water): | Not available. |
| VOC content: | 2.47 %; 27 g/l |
| Viscosity: | Not available. |
| Decomposition temperature: | Not available. |

10. STABILITY AND REACTIVITY

| | |
|--|---|
| Stability: | Stable under normal conditions of storage and use. |
| Hazardous reactions: | None under normal processing. |
| Hazardous decomposition products: | Oxides of carbon. Oxides of Metals in Section 3. Irritating organic vapours. |
| Incompatible materials: | Strong oxidizing agents. |
| Reactivity: | Not available. |
| Conditions to avoid: | Keep away from heat, spark and flame. Store away from incompatible materials. |

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes, Ingestion

Potential Health Effects/Symptoms

| | |
|----------------------|--|
| Inhalation: | May cause respiratory tract irritation. |
| Skin contact: | May cause skin irritation. May cause allergic skin reaction. |
| Eye contact: | May cause eye irritation. |
| Ingestion: | Not expected under normal conditions of use. May cause gastrointestinal tract irritation if swallowed. |

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|--|-----------------|--|
| Distillates (petroleum), hydrotreated heavy naphthenic | None | Irritant |
| Nickel | None | No Data |
| Graphite | None | Lung |
| Distillates (petroleum), hydrotreated heavy paraffinic | None | Irritant |
| Aluminum not powder, dust or fume | None | Central nervous system, Irritant, Lung |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|--|--|-----------------|--|
| Distillates (petroleum), hydrotreated heavy naphthenic | No | No | No |
| Nickel | Reasonably Anticipated to be a Human Carcinogen. | Group 2B | No |
| Graphite | No | No | No |
| Distillates (petroleum), hydrotreated heavy paraffinic | No | No | No |
| Aluminum not powder, dust or fume | No | No | No |

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

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

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 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).

CERCLA Reportable quantity: Nickel (CAS# 7440-02-0) 100 lbs. (45.4 kg)

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.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: 2, 3, 11

Prepared by: Product Safety and Regulatory Affairs

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