



Revision Number: 003.0

Issue date: 05/12/2014

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product name:</b>	<b>Heavy Duty Anti-Seize</b>	<b>IDH number:</b>	234353
<b>Product type:</b>	Lubricant	<b>Item number:</b>	51609
<b>Restriction of Use:</b>	None identified	<b>Region:</b>	United States
<b>Company address:</b>	<b>Contact information:</b>		
Henkel Corporation	Telephone: (860) 571-5100		
One Henkel Way	MEDICAL EMERGENCY Phone: Poison Control Center		
Rocky Hill, Connecticut 06067	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:** CAUSES SKIN IRRITATION.  
CAUSES SERIOUS EYE IRRITATION.  
CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

HAZARD CLASS	HAZARD CATEGORY
SKIN IRRITATION	2
EYE IRRITATION	2A
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	1

**PICTOGRAM(S)**



**Precautionary Statements**

<b>Prevention:</b>	Do not breathe vapors, mist, or spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye and face protection. Wear protective gloves.
<b>Response:</b>	IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Get medical attention if you feel unwell. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.
<b>Storage:</b>	Not prescribed
<b>Disposal:</b>	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**

Hazardous Component(s)	CAS Number	Percentage*
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Calcium fluoride	7789-75-5	10 - 30
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	10 - 30
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	10 - 30
Graphite	7782-42-5	10 - 30
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	5 - 10
Mineral oil light naphthenic hydrotreat. <3% DMSO	64742-53-6	5 - 10
Calcium dodecylbenzene sulfonate	26264-06-2	1 - 5
Residual oils (petroleum), solvent-refined, <3% DMSO	64742-01-4	0.1 - 1
Octadecanoic acid	57-11-4	0.1 - 1

\* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Move to fresh air. If symptoms persist, seek medical advice.
<b>Skin contact:</b>	Wash with soap and water. If symptoms develop and persist, get medical attention.
<b>Eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	Get medical attention. Aspiration may cause pulmonary edema and pneumonitis. Do not induce vomiting.
<b>Symptoms:</b>	See Section 11.

#### 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	foam Dry chemical. Carbon dioxide. Water spray or fog.
<b>Special firefighting procedures:</b>	None
<b>Unusual fire or explosion hazards:</b>	None
<b>Hazardous combustion products:</b>	Oxides of carbon.

#### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

<b>Environmental precautions:</b>	Do not allow material to contaminate ground water system.
<b>Clean-up methods:</b>	Scrape up as much material as possible. Clean residue with soap and water. Follow all local, state, federal and provincial regulations for disposal.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Keep container closed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
<b>Storage:</b>	Keep in a cool, well ventilated area.

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 Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Calcium fluoride	2.5 mg/m <sup>3</sup> TWA (as F)	2.5 mg/m <sup>3</sup> PEL (as F) 2.5 mg/m <sup>3</sup> TWA Dust.	None	None
Distillates (petroleum), solvent-refined heavy paraffinic	5 mg/m <sup>3</sup> TWA Inhalable fraction. 5 mg/m <sup>3</sup> TWA mist 10 mg/m <sup>3</sup> STEL mist	500 ppm (2,000 mg/m <sup>3</sup> ) PEL 5 mg/m <sup>3</sup> PEL Mist. 5 mg/m <sup>3</sup> TWA mist	None	None
Distillates (petroleum), solvent-dewaxed heavy paraffinic	None	500 ppm (2,000 mg/m <sup>3</sup> ) PEL 5 mg/m <sup>3</sup> PEL Mist.	None	None
Graphite	2 mg/m <sup>3</sup> TWA Respirable fraction.	5 mg/m <sup>3</sup> PEL Respirable fraction. 15 mg/m <sup>3</sup> PEL Total dust. 15 MPPCF TWA	None	None
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/m <sup>3</sup> TWA mist 10 mg/m <sup>3</sup> STEL mist	5 mg/m <sup>3</sup> TWA mist 500 ppm (2,000 mg/m <sup>3</sup> ) PEL 5 mg/m <sup>3</sup> PEL Mist.	None	None
Mineral oil light naphthenic hydrotreat. <3% DMSO	None	500 ppm (2,000 mg/m <sup>3</sup> ) PEL 5 mg/m <sup>3</sup> PEL Mist.	None	None
Calcium dodecylbenzene sulfonate	None	None	None	None
Residual oils (petroleum), solvent-refined, <3% DMSO	None	None	None	None
Octadecanoic acid	10 mg/m <sup>3</sup> TWA	None	None	None

**Engineering controls:**

Use only with adequate ventilation. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

**Respiratory protection:**

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

**Eye/face protection:**

Goggles. Safety glasses with side-shields.

**Skin protection:**

Cover as much of the exposed skin area as possible with appropriate clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Paste
<b>Color:</b>	Gray
<b>Odor:</b>	Characteristic
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Not applicable
<b>Vapor pressure:</b>	Not available.
<b>Boiling point/range:</b>	550 °F (287.8 °C) None
<b>Melting point/ range:</b>	Not available.
<b>Specific gravity:</b>	1.18
<b>Vapor density:</b>	Heavier than air.
<b>Flash point:</b>	> 93 °C (> 199.4 °F)
<b>Flammable/Explosive limits - lower:</b>	Not determined
<b>Flammable/Explosive limits - upper:</b>	Not determined
<b>Autoignition temperature:</b>	Not determined
<b>Evaporation rate:</b>	Not determined
<b>Solubility in water:</b>	Insoluble
<b>Partition coefficient (n-octanol/water):</b>	Not determined

**VOC content:** < 3 % Essentially Zero (Exempt Compounds)  
**Viscosity:** Not available.  
**Decomposition temperature:** Not available.

## 10. STABILITY AND REACTIVITY

**Stability:** Stable at normal conditions.  
**Hazardous reactions:** Will not occur.  
**Hazardous decomposition products:** Hydrocarbons. Oxides of carbon.  
**Incompatible materials:** Oxidizing agents.  
**Reactivity:** Not available.  
**Conditions to avoid:** None known

## 11. TOXICOLOGICAL INFORMATION

**Relevant routes of exposure:** Skin, Eyes

**Potential Health Effects/Symptoms**

**Inhalation:** This product has low volatility and is not expected to cause respiratory tract irritation during normal conditions of use.  
**Skin contact:** Causes skin irritation.  
**Eye contact:** Causes serious eye irritation.  
**Ingestion:** Principal hazard of ingestion is aspiration into the lungs and subsequent pneumonitis.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Calcium fluoride	Oral LD50 (RAT) = 4,250 mg/kg	Teeth, Muscle, Respiratory
Distillates (petroleum), solvent-refined heavy paraffinic	None	Irritant
Distillates (petroleum), solvent-dewaxed heavy paraffinic	None	Irritant
Graphite	None	Lung
Distillates (petroleum), hydrotreated heavy naphthenic	None	Irritant
Mineral oil light naphthenic hydrotreat. <3% DMSO	None	Irritant
Calcium dodecylbenzene sulfonate	None	Eyes, Irritant
Residual oils (petroleum), solvent-refined, <3% DMSO	None	Irritant
Octadecanoic acid	Oral LD50 (RAT) = 4.6 g/kg	Irritant

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Calcium fluoride	No	No	No
Distillates (petroleum), solvent-refined heavy paraffinic	No	No	No
Distillates (petroleum), solvent-dewaxed heavy paraffinic	No	No	No
Graphite	No	No	No
Distillates (petroleum), hydrotreated heavy naphthenic	No	No	No
Mineral oil light naphthenic hydrotreat. <3% DMSO	No	No	No
Calcium dodecylbenzene sulfonate	No	No	No
Residual oils (petroleum), solvent-refined, <3% DMSO	No	No	No
Octadecanoic acid	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:** Immediate Health  
**CERCLA/SARA Section 313:** None above reporting de minimis  
**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present.

#### Canada Regulatory Information

**CEPA DSL/NDL 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: New Safety Data Sheet format.

**Prepared by:** Catherine Bimler, Regulatory Affairs Specialist  
**Issue date:** 05/12/2014

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