



Revision Number: 006.0

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**1. PRODUCT AND COMPANY IDENTIFICATION**

|                               |                                                |                     |               |
|-------------------------------|------------------------------------------------|---------------------|---------------|
| <b>Product name:</b>          | <b>Clover Silicon Carbide Grease Mix</b>       | <b>IDH number:</b>  | 233246        |
| <b>Product type:</b>          | Sharpening compound                            | <b>Item number:</b> | 39587         |
| <b>Restriction of Use:</b>    | None identified                                | <b>Region:</b>      | United States |
| <b>Company address:</b>       | <b>Contact information:</b>                    |                     |               |
| Henkel Corporation            | Telephone: +1 (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.  
MAY CAUSE CANCER.

| HAZARD CLASS    | HAZARD CATEGORY |
|-----------------|-----------------|
| SKIN IRRITATION | 2               |
| EYE IRRITATION  | 2A              |
| CARCINOGENICITY | 1A              |

**PICTOGRAM(S)**



**Precautionary Statements**

|                    |                                                                                                                                                                                                                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prevention:</b> | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash affected area thoroughly after handling. Wear protective gloves, clothing, eye and face protection.                                                                                                                                   |
| <b>Response:</b>   | IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing. |
| <b>Storage:</b>    | Store locked up.                                                                                                                                                                                                                                                                                                                                             |
| <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* |
|------------------------|------------|-------------|
|------------------------|------------|-------------|

|                                                        |            |         |
|--------------------------------------------------------|------------|---------|
| Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 20 - 30 |
| Petroleum distillates, hydrotreated, light naphthenic  | 64742-53-6 | 20 - 30 |
| Silicon carbide                                        | 409-21-2   | 10 - 20 |
| Cristobalite                                           | 14464-46-1 | 0.1 - 1 |

\* Exact percentages may vary or are 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 not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention. |
| <b>Skin contact:</b> | Wash with soap and water. If symptoms develop and persist, get medical attention.                                                                                 |
| <b>Eye contact:</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms develop and persist, get medical attention.                  |
| <b>Ingestion:</b>    | If conscious, drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms develop and persist, get medical attention.               |
| <b>Symptoms:</b>     | See Section 11.                                                                                                                                                   |

#### 5. FIRE FIGHTING MEASURES

|                                           |                                                                                              |
|-------------------------------------------|----------------------------------------------------------------------------------------------|
| <b>Extinguishing media:</b>               | Water spray (fog), foam, dry chemical or carbon dioxide.                                     |
| <b>Special firefighting procedures:</b>   | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. |
| <b>Unusual fire or explosion hazards:</b> | In case of fire, keep containers cool with water spray.                                      |
| <b>Hazardous combustion products:</b>     | Oxides of carbon. Oxides of silicon. 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.

|                                   |                                                                                                                                                                                 |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental precautions:</b> | Do not allow product to enter sewer or waterways.                                                                                                                               |
| <b>Clean-up methods:</b>          | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up spilled material and place in a closed container for disposal. |

#### 7. HANDLING AND STORAGE

|                  |                                                                                                                                |
|------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling:</b> | Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. Wash thoroughly after handling.   |
| <b>Storage:</b>  | Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. |

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 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/m3 TWA<br>Inhalable fraction.<br>5 mg/m3 TWA mist<br>10 mg/m3 STEL mist                               | 5 mg/m3 TWA mist<br>500 ppm (2,000 mg/m3) PEL<br>5 mg/m3 PEL Mist.                                                                                                                                                 | None      | None  |
| Petroleum distillates, hydrotreated, light naphthenic  | 5 mg/m3 TWA<br>Inhalable fraction.                                                                         | 5 mg/m3 PEL Mist.<br>500 ppm (2,000 mg/m3) PEL                                                                                                                                                                     | None      | None  |
| Silicon carbide                                        | 3 mg/m3 TWA<br>Respirable fraction.<br>10 mg/m3 TWA<br>Inhalable fraction.<br>0.1 FIBERS/CM3<br>TWA Fiber. | 5 mg/m3 PEL<br>Respirable fraction.<br>15 mg/m3 PEL Total<br>dust.<br>5 mg/m3 TWA<br>Respirable fraction.<br>15 MPPCF TWA<br>Respirable fraction.<br>15 mg/m3 TWA Total<br>dust.<br>50 MPPCF TWA<br>Total dust.    | None      | None  |
| Cristobalite                                           | 0.025 mg/m3 TWA<br>Respirable fraction.                                                                    | 1.2 MPPCF TWA<br>Respirable.<br>0.05 mg/m3 TWA<br>Respirable.<br>0.05 mg/m3 TWA<br>(Respirable dust.)<br>(Respirable dust.)<br>0.025 mg/m3<br>OSHA_ACT<br>(Respirable dust.)<br>0.05 mg/m3 PEL<br>Respirable dust. | None      | None  |

**Engineering controls:**

Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.

**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. Full face protection should be used if the potential for splashing or spraying of product exists.

**Skin protection:**

Use impermeable gloves and protective clothing as necessary to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                            |                                                                          |
|--------------------------------------------|--------------------------------------------------------------------------|
| <b>Physical state:</b>                     | Liquid, Paste                                                            |
| <b>Color:</b>                              | Gray                                                                     |
| <b>Odor:</b>                               | Mild, Petroleum                                                          |
| <b>Odor threshold:</b>                     | Not available.                                                           |
| <b>pH:</b>                                 | Not available.                                                           |
| <b>Vapor pressure:</b>                     | Not available.                                                           |
| <b>Boiling point/range:</b>                | 285 - 900 °F (140.6 - 482.2 °C)                                          |
| <b>Melting point/ range:</b>               | Not available.                                                           |
| <b>Specific gravity:</b>                   | 1.3548                                                                   |
| <b>Vapor density:</b>                      | Heavier than air.                                                        |
| <b>Flash point:</b>                        | > 93 °C (> 199.4 °F) HST-US D09F; Flash/Fire Point By Cleveland Open Cup |
| <b>Flammable/Explosive limits - lower:</b> | Not available.                                                           |
| <b>Flammable/Explosive limits - upper:</b> | Not available.                                                           |

**Autoignition temperature:** Not available.  
**Flammability:** Not applicable  
**Evaporation rate:** Less than butyl acetate.  
**Solubility in water:** Not available.  
**Solubility in water:** Not available.  
**Solubility in water:** Not available.  
**Partition coefficient (n-octanol/water):** Not available.  
**VOC content:** 0 %; 0 g/l  
**Viscosity:** Not available.  
**Decomposition temperature:** Not available.

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of storage and use.  
**Hazardous reactions:** Will not occur.  
**Hazardous decomposition products:** Oxides of carbon. Hydrocarbons. Acrid smoke and fumes.  
**Incompatible materials:** Strong oxidizing agents.  
**Reactivity:** Not available.  
**Conditions to avoid:** Stable

## 11. TOXICOLOGICAL INFORMATION

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

### Potential Health Effects/Symptoms

**Inhalation:** Inhalation of mist or spray may cause irritation of the respiratory tract and nasal passages. Chronic exposure to dust containing quartz silica in excess of exposure limits can cause silicosis.  
**Skin contact:** Causes skin irritation.  
**Eye contact:** Causes serious eye irritation.  
**Ingestion:** 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                                |
| Petroleum distillates, hydrotreated, light naphthenic  | None            | Irritant                                |
| Silicon carbide                                        | None            | Nuisance dust                           |
| Cristobalite                                           | None            | Carcinogen, Immune system, Kidney, Lung |

| Hazardous Component(s)                                 | NTP Carcinogen                | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|--------------------------------------------------------|-------------------------------|-----------------|------------------------------------------|
| Distillates (petroleum), hydrotreated heavy naphthenic | No                            | No              | No                                       |
| Petroleum distillates, hydrotreated, light naphthenic  | No                            | No              | No                                       |
| Silicon carbide                                        | No                            | Group 2A        | No                                       |
| Cristobalite                                           | Known To Be Human Carcinogen. | Group 1         | Yes                                      |

## 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:** 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: New Safety Data Sheet format.

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