



81-008-600  
 81-008-500  
 81-008-400  
 81-008-320  
 81-008-280  
 81-008-240  
 81-008-220

81-008-180  
 81-008-150  
 81-008-120  
 81-008-100  
 81-008-050

**Material Safety Data Sheet**

**Henkel Technologies**

Revision Date: 09/11/2008

Issue date: 09/11/2008

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

|   |  |
|---|--|
| <b>Product name:</b> Clover Silicon Carbide Grease Mix  | <b>Item No.:</b> 39536 / IDH No. 233144  |
| <b>Product type:</b> Sharpening compound  | <b>Region:</b> United States   |
| <b>Company address:</b><br>Henkel Corporation<br>1001 Trout Brook Crossing<br>Rocky Hill, Connecticut 06067 | <b>Contact Information:</b><br>Telephone: 860.571.5100<br>Emergency telephone: 860.571.5100<br>Internet: www.loctite.com |

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

| <u>Hazardous components</u>          | <u>%</u> | <u>ACGIH TLV</u>   | <u>OSHA PEL</u>  | <u>OTHER</u> |
|--------------------------------------|----------|--|--|--------------|
| Petroleum Distillates<br>Proprietary | 30-60    | 5 mg/m <sup>3</sup> TWA (mist)<br>10mg/m <sup>3</sup> STEL (mist)  | 5 mg/m <sup>3</sup> TWA (mist)   | None         |
| Silicon carbide<br>409-21-2          | 10-30    | 0.1 fiber/cm <sup>3</sup> TWA length<br>>5 µm, aspect ratio<br>>=3:1, as determined by<br>the membrane filter<br>method at 400-450X<br>magnification [4-mm<br>objective], using phase-<br>contrast illumination<br>10 mg/m <sup>3</sup> TWA particulate<br>matter containing no<br>asbestos and <1%<br>crystalline silica<br>3 mg/m <sup>3</sup> TWA particulate<br>matter containing no<br>asbestos and <1%<br>crystalline silica | 15 mg/m <sup>3</sup> TWA total dust<br>5 mg/m <sup>3</sup> TWA respirable<br>fraction  | None         |
| Crystalline silica<br>14464-46-1     | 0.1-1    | 0.025 mg/m <sup>3</sup> TWA  | (1/2)(30 mg/m <sup>3</sup> )/(%SiO <sub>2</sub> +<br>2) mppcf TWA (Total<br>Dust)<br>(1/2)(250)/(%SiO <sub>2</sub> + 5)<br>mppcf TWA (respirable)<br>(1/2)(10 mg/m <sup>3</sup> )/(%SiO <sub>2</sub> +<br>2) mppcf TWA<br>(respirable) | None         |

**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**Physical state:** Viscous liquid  
**Color:** Grey  
**Odor:** Mild petroleum

**HMIS:**

**HEALTH:** 1  
**FLAMMABILITY:** 1  
**PHYSICAL HAZARD:** 0  
**Personal Protection:** See Section 8

**CAUTION: MAY CAUSE EYE AND SKIN IRRITATION.**

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

**Potential Health Effects**

**Inhalation:** Inhalation of mist or spray may cause irritation of the respiratory tract and nasal passages.  
**Skin contact:** May cause skin irritation with discomfort or rash.  
**Eye contact:** Mild eye irritation.  
**Ingestion:** Not expected under normal conditions of use.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|  |                          |
|--|--------------------------|
| Physical state:                          | Viscous liquid           |
| Color:                                   | Grey                     |
| Odor:                                    | Mild petroleum           |
| Vapor pressure:                          | Not available            |
| pH:                                      | Not applicable           |
| Boiling point/range:                     | 141-482°C (285-900°F)    |
| Melting point/range:                     | Not available            |
| Specific gravity:                        | 1.3548                   |
| Vapor density:                           | Heavier than air         |
| Evaporation rate:                        | Less than butyl acetate. |
| Solubility in water:                     | Not available            |
| Partition coefficient (n-octanol/water): | Not available            |
| VOC content:                             | Essentially Zero         |

**10. STABILITY AND REACTIVITY**

|                                   |  |
|-----------------------------------|--|
| Stability:                        | Stable.  |
| Hazardous polymerization:         | Will not occur.  |
| Hazardous decomposition products: | Oxides of carbon. Hydrocarbons. Acrid smoke and fumes. |
| Incompatibility:                  | Strong oxidizing agents.                               |
| Conditions to avoid:              | Elevated temperatures.                                 |

**11. TOXICOLOGICAL INFORMATION**Carcinogen Status

| Hazardous components                 | NTP Carcinogen   | IARC Carcinogen | OSHA Carcinogen |
|--------------------------------------|------------------|-----------------|-----------------|
| Petroleum Distillates<br>Proprietary | No               | No              | No              |
| Silicon carbide<br>409-21-2          | No               | No              | No              |
| Crystalline silica<br>14464-46-1     | Known Carcinogen | Group 1         | Yes             |

Literature Referenced Target Organ & Other Health Effects

| Hazardous components                 | Health Effects/Target Organs                  |
|--------------------------------------|---|
| Petroleum Distillates<br>Proprietary | Irritant                                      |
| Silicon carbide<br>409-21-2          | Nuisance dust                                 |
| Crystalline silica<br>14464-46-1     | Lung, Human carcinogen, Immune system, Kidney |

**12. ECOLOGICAL INFORMATION**

|                         |               |
|-------------------------|---------------|
| Ecological information: | Not available |
|-------------------------|---------------|

## 15. REGULATORY INFORMATION

### United States Regulatory Information

|   |  |
|---|--|
| <b>TSCA 8 (b) Inventory Status:</b>     | All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.  |
| <b>TSCA 12 (b) Export Notification:</b> | None above reporting de minimus.   |
| <b>CERCLA/SARA Section 302 EHS:</b>     | None.  |
| <b>CERCLA/SARA Section 311/312:</b>     | Immediate Health Hazard, Delayed Health Hazard, Fire   |
| <b>CERCLA/SARA 313:</b>                 | 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). Ethyl benzene (CAS# 100-41-4). n-Hexane (CAS# 110-54-3). Xylene (CAS# 1330-20-7). |
| <b>California Proposition 65:</b>       | This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.  |

### Canada Regulatory Information

|                             |  |
|-----------------------------|--|
| <b>CEPA DSL/NDL Status:</b> | All components are listed on or are exempt from listing on the Domestic Substances List. |
| <b>WHMIS hazard class:</b>  | B.2, D.2.A, D.2.B  |

## 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 15

Prepared by: Lou Fabrizio, Senior Health & Regulatory Affairs Specialist

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| Hazardous components   | Health Effects/Target Organs  |
|--|---|
| Light aliphatic solvent naphtha<br>64742-89-8                | Irritant  |
| n-Hexane<br>110-54-3   | Developmental, Irritant, Lung, Nervous System, Reproductive   |
| Xylene<br>1330-20-7  | Cardiac, Central nervous system, Irritant, Kidney, Liver  |
| Acetone<br>67-64-1   | Blood, Central nervous system, Irritant, Reproductive   |
| Ethyl benzene<br>100-41-4                                    | Central nervous system, Irritant  |
| Silica, amorphous, fumed,<br>crystalline-free<br>112945-52-5 | Nuisance dust   |
| Organic Yellow<br>6358-31-2                                  | Vascular, Gastrointestinal, Blood, Muscle, Liver, Kidney, Nervous System, Developmental, Reproductive,<br>Skin, Some evidence of carcinogenicity, Behavioral, Thyroid |

## 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: D001: Ignitable.

## 14. TRANSPORT INFORMATION

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

### U.S. Department of Transportation Ground (49 CFR):

Proper shipping name: Coating solution  
Hazard class or division: 3  
Identification number: UN 1139  
Packing group: II  
Exceptions: (Not more than 5 L) Consumer Commodity ORM-D  
Marine pollutant: None

### International Air Transportation (ICAO/IATA):

Proper shipping name: Coating solution  
Hazard class or division: 3  
Identification number: UN1139  
Packing group: II  
Exceptions: (Not more than 500 ml) May Qualify as Consumer Commodity ID8000

### Water Transportation (IMO/IMDG):

Proper shipping name: Coating solution  
Hazard class or division: 3  
Identification number: UN1139  
Packing group: II  
Marine pollutant: None

Existing conditions aggravated by exposure:

Heart disease. Liver disease. Kidney disease. Lung disorders. Skin disorders.

See Section 11 for additional toxicological information.

#### 4. FIRST AID MEASURES

|                            |  |
|----------------------------|--|
| <b>Inhalation:</b>         | Remove to fresh air. If symptoms develop and persist, get medical attention.   |
| <b>Skin contact:</b>       | Remove contaminated clothing and shoes. Immediately flush skin with plenty of water (using soap, if available). Wash clothing before reuse. Get medical attention if symptoms develop and persist. |
| <b>Eye contact:</b>        | Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.  |
| <b>Ingestion:</b>          | Do not induce vomiting. Keep individual calm. Never give anything by mouth to an unconscious person. Get medical attention if symptoms develop and persist.  |
| <b>Notes to physician:</b> | None.  |

#### 5. FIRE-FIGHTING MEASURES

|  |  |
|--|--|
| <b>Flash point:</b>                        | -23°C (-10°F) Tagliabue open cup   |
| <b>Autoignition temperature:</b>           | Not applicable   |
| <b>Flammable/Explosive limits-lower %:</b> | 0.9  |
| <b>Flammable/Explosive limits-upper %:</b> | 12.8   |
| <b>Extinguishing media:</b>                | Foam, dry chemical or carbon dioxide.  |
| <b>Special fire fighting procedures:</b>   | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. |
| <b>Unusual fire or explosion hazards:</b>  | Do not store or use near heat, spark, open flame or other sources of ignition.               |
| <b>Hazardous combustion products:</b>      | Oxides of carbon.  |

#### 6. ACCIDENTAL RELEASE MEASURES

|                                   |   |
|-----------------------------------|---|
| <b>Environmental precautions:</b> | None known  |
| <b>Clean-up methods:</b>          | Remove all ignition sources. Ensure adequate ventilation. Soak up with inert absorbent. Prevent product from entering drains. Store in a closed container until ready for disposal. |

#### 7. HANDLING AND STORAGE

|                               |  |
|-------------------------------|--|
| <b>Handling:</b>              | Avoid contact with skin and eyes. Do not breathe mist or vapors. Keep away from heat, spark and flame.                         |
| <b>Storage:</b>               | For safe storage, store at or below 48°C (120°F). Keep in a cool, well ventilated area. Keep away from heat, sparks and flame. |
| <b>Incompatible products:</b> | Strong acids or bases. Oxidizing agents. Water, amines, strong bases, and alcohols. Alkalis. Halogens.                         |

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                                |   |
|--------------------------------|---|
| <b>Engineering controls:</b>   | Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits. |
| <b>Respiratory protection:</b> | Use NIOSH approved respirator if there is potential to exceed exposure limit(s).  |
| <b>Skin protection:</b>        | Chemical resistant, impermeable gloves.   |
| <b>Eye/face protection:</b>    | Safety goggles or safety glasses with side shields.   |

Item No. : 34989 / IDH No. 338134

Product name: Color Guard® Yellow Tough Rubber Coating