

Revision Date: 04/29/2008

Issue date: 04/29/2008

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Clover Silicon Carbide Grease Mix
Product type: Sharpening compound
Company address:
 Henkel Corporation
 1001 Trout Brook Crossing
 Rocky Hill, Connecticut 06067

Item No. : 39561 / IDH No. 233194
Region: United States
Contact Information:
 Telephone: 860.571.5100
 Emergency telephone: 860.571.5100
 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	60-100	5 mg/m ³ TWA (mist)	5 mg/m ³ TWA (mist)	None
Proprietary		10mg/m ³ STEL (mist)		
Silicon carbide 409-21-2	10-30	0.1 fiber/cm ³ TWA length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase- contrast illumination 10 mg/m ³ TWA particulate matter containing no asbestos and <1% crystalline silica 3 mg/m ³ TWA particulate matter containing no asbestos and <1% crystalline silica	15 mg/m ³ TWA total dust 5 mg/m ³ TWA respirable fraction	None
Crystalline silica 14464-46-1	0.1-1	0.025 mg/m ³ TWA	(1/2)(30 mg/m ³)/(%SiO ₂ + 2) mppcf TWA (Total Dust) (1/2)(250)/(%SiO ₂ + 5) mppcf TWA (respirable) (1/2)(10 mg/m ³)/(%SiO ₂ + 2) mppcf TWA (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.

Existing conditions aggravated by exposure:

Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If discomfort persists seek medical attention.
Skin contact:	Wash with soap and water. Get medical attention if symptoms occur.
Eye contact:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion:	If conscious, drink plenty of water. Never give anything by mouth to an unconscious person. If vomiting occurs, prevent aspiration by keeping the patient's head below the knees. Get medical attention if symptoms develop and persist.

5. FIRE-FIGHTING MEASURES

Flash point:	Greater than 93°C (200°F) Cleveland open cup
Autoignition temperature:	Not available
Flammable/Explosive limits-lower %:	Not available
Flammable/Explosive limits-upper %:	Not available
Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide. Do not use high volume water jet.
Special fire fighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Oxides of carbon. Hydrocarbons. Acrid smoke and fumes.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Contain spill. Prevent product from entering drains or open waters. Do not allow material to contaminate ground water system.
Clean-up methods:	Soak up with inert absorbent. Scrape up spilled material and place in a closed container for disposal.

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.
Storage:	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
Incompatible products:	None reasonably foreseeable.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	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 respiratory use (29 CFR 1910.134).
Skin protection:	Neoprene gloves.
Eye/face protection:	Safety glasses with side-shields. Goggles.

Item No. : 39561 / IDH No. 233194

See Section 2 for exposure limits.

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 Proprietary	No	No	No
Silicon carbide 409-21-2	No	No	No
Crystalline silica 14464-46-1	Known Carcinogen	Group 1	Yes

Literature Referenced Target Organ & Other Health Effects

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

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: Not a RCRA hazardous waste.

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:	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
Marine pollutant:	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.

CERCLA/SARA Section 302 EHS:	None.
CERCLA/SARA Section 311/312:	Immediate Health Hazard, Delayed Health Hazard
CERCLA/SARA 313:	None.

California Proposition 65: This product contains a chemical known to the State of California to cause cancer.

Canada Regulatory Information

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

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Revised to new format.

Prepared by: C.J. Michaels, Manager, Regulatory Affairs

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Corporation has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Corporation's products. In light of the foregoing, Henkel Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.