



## Safety Data Sheet

Page 1 of 8

Clover Silicon Carbide Grease Mix

SDS No. : 153806

V001.5

Revision: 12.08.2020

printing date: 17.11.2020

### Section 1. Identification of the substance/preparation and of the company/undertaking

**Product name:** Clover Silicon Carbide Grease Mix

**Other means of identification:** LOCTITE SI CB GRS 1200 1LB EN

**Product code:** IDH233246

**Recommended use of the chemical and restrictions on use**

**Intended use:** Sharpening compound

**Identification of manufacturer, importer or distributor**

**Importer:** Henkel Singapore Pte Ltd 401 Commonwealth Drive, #03-01/02, Haw Par Technocentre, Singapore. 149598  
Phone : +65 62660100 Fax : +65 62661161

**E-mail address of person responsible for Safety Data Sheet:** ap-ua-psra.sea@henkel.com

**Emergency information:** FOR EMERGENCIES ONLY (Spill, major leak, Fire, Exposure, or Accident). Call CHEMTREC: +1 703-741-5970

### Section 2. Hazards identification

**GHS Classification:**

**Hazard Class**  
Aspiration hazard

**Hazard Category**  
Category 1

**GHS label elements:**

**Hazard pictogram:**



**Signal word:** Danger

**Hazard statement:** H304 May be fatal if swallowed and enters airways.

**Precaution:**

**Response:** P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P331 Do NOT induce vomiting.

**Disposal:** P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Section 3. Composition / information on ingredients****Substance or Mixture:**

Mixture

**Declaration of hazardous chemical:**

Hazard component CAS-No.	Content	GHS Classification
Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5	10- 30 %	
Distillates (petroleum), hydrotreated light naphthenic <3% DMSO 64742-53-6	10- 30 %	Aspiration hazard 1 H304
Silicon carbide 409-21-2	10- 30 %	
Silicon 7440-21-3	0.1- 1 %	
Cristobalite, (RCS >=1% - <10%) 14464-46-1	0.1- 1 %	Target Organ Systemic Toxicant - Repeated exposure 2; Inhalation H373

**Section 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.

**Section 5. Fire fighting measures**

<b>Suitable extinguishing media:</b>	Carbon dioxide, foam, powder
<b>Specific hazards arising from the chemical:</b>	In case of fire, keep containers cool with water spray.
<b>Special protection equipment and precautions for firefighters:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<b>Hazardous combustion products:</b>	Oxides of carbon, oxides of nitrogen, irritating organic vapors.
<b>Additional fire fighting advice:</b>	In case of fire, keep containers cool with water spray.

### Section 6. Accidental release measures

<b>Personal precautions:</b>	Avoid skin and eye contact. Wear protective equipment. Ensure adequate ventilation. See advice in section 8
<b>Environmental precautions:</b>	Do not empty into drains / surface water / ground water.
<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. Dispose of contaminated material as waste according to Section 13.

### Section 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>	Store in tightly closed containers. In a cool/well-ventilated area. Keep away from heat and direct sunlight.

**Section 8. Exposure controls / personal protection**

Components with specific control parameters for workplace:

MINERAL OIL, EXCLUDING METAL WORKING FLUIDS, PURE, HIGHLY AND SEVERELY REFINED, INHALABLE FRACTION 64742-52-5	<b>Value type</b>	Time Weighted Average (TWA):
	<b>mg/m<sup>3</sup></b>	5
	<b>Remarks</b>	ACGIH
OIL MIST, MINERAL 64742-52-5	<b>Value type</b>	Time Weighted Average (TWA):
	<b>mg/m<sup>3</sup></b>	5
	<b>Remarks</b>	SG PEL
OIL MIST, MINERAL 64742-52-5	<b>Value type</b>	Short Term Exposure Limit (STEL):
	<b>mg/m<sup>3</sup></b>	10
	<b>Remarks</b>	SG PEL
MINERAL OIL, EXCLUDING METAL WORKING FLUIDS, PURE, HIGHLY AND SEVERELY REFINED, INHALABLE FRACTION 64742-53-6	<b>Value type</b>	Time Weighted Average (TWA):
	<b>mg/m<sup>3</sup></b>	5
	<b>Remarks</b>	ACGIH
OIL MIST, MINERAL 64742-53-6	<b>Value type</b>	Time Weighted Average (TWA):
	<b>mg/m<sup>3</sup></b>	5
	<b>Remarks</b>	SG PEL
OIL MIST, MINERAL 64742-53-6	<b>Value type</b>	Short Term Exposure Limit (STEL):
	<b>mg/m<sup>3</sup></b>	10
	<b>Remarks</b>	SG PEL
SILICON CARBIDE 409-21-2	<b>Value type</b>	Time Weighted Average (TWA):
	<b>mg/m<sup>3</sup></b>	10
	<b>Remarks</b>	SG PEL
SILICON CARBIDE, NONFIBROUS, RESPIRABLE FRACTION 409-21-2	<b>Value type</b>	Time Weighted Average (TWA):
	<b>mg/m<sup>3</sup></b>	3
	<b>Remarks</b>	ACGIH The value is for particulate matter containing no asbestos and <1% crystalline silica.
SILICON CARBIDE, NONFIBROUS, INHALABLE FRACTION 409-21-2	<b>Value type</b>	Time Weighted Average (TWA):
	<b>mg/m<sup>3</sup></b>	10
	<b>Remarks</b>	ACGIH The value is for particulate matter containing no asbestos and <1% crystalline silica.
SILICON CARBIDE, FIBROUS (INCLUDING WHISKERS) 409-21-2	<b>Value type</b>	Time Weighted Average (TWA):
	<b>Remarks</b>	ACGIH
SILICON 7440-21-3	<b>Value type</b>	Time Weighted Average (TWA):
	<b>mg/m<sup>3</sup></b>	10
	<b>Remarks</b>	SG PEL
SILICA, CRYSTALLINE-CRISTOBALITE, RESPIRABLE FRACTION 14464-46-1	<b>Value type</b>	Time Weighted Average (TWA):
	<b>mg/m<sup>3</sup></b>	0.025
	<b>Remarks</b>	ACGIH
SILICA-CRYSTALLINE: CRISTOBALITE, RESPIRABLE DUST 14464-46-1	<b>Value type</b>	Time Weighted Average (TWA):
	<b>mg/m<sup>3</sup></b>	0.05
	<b>Remarks</b>	SG PEL

<b>Respiratory protection:</b>	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
<b>Eye protection:</b>	Safety goggles or safety glasses with side shields. Protective eye equipment should conform to EN166.
<b>Body protection:</b>	Use impermeable gloves and protective clothing as necessary to prevent skin contact. Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.
<b>Engineering controls:</b>	Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.
<b>Hygienic measures:</b>	Wash hands before work breaks and after finishing work. Do not eat, drink or smoke while working. Take off contaminated clothing and wash before reuse.

### Section 9. Physical and chemical properties

<b>Appearance:</b>	Gray Liquid, paste
<b>Odor:</b>	mild, Petroleum
<b>Odor threshold (CA):</b>	No data available.
<b>pH:</b>	No data available.
<b>Melting point / freezing point:</b>	No data available.
<b>Specific gravity:</b>	No data available.
<b>Boiling point:</b>	285 - 900 °F (140.6 - 482.2 °C)
<b>Flash point:</b>	> 93 °C (> 199.4 °F)
	(; HST-US D09F; Flash/Fire Point By Cleveland Open Cup)
<b>Evaporation rate:</b>	Less than butyl acetate.
<b>Flammability (solid, gas):</b>	No data available.
<b>Lower explosive limit:</b>	No data available.
<b>Upper explosive limit:</b>	No data available.
<b>Vapor pressure:</b>	Not available.
<b>Vapor density:</b>	Heavier than air.
<b>Density:</b>	No data available.
<b>Solubility:</b>	No data available.
<b>Partition coefficient: n-octanol/water:</b>	No data available.
<b>Auto ignition:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.
<b>VOC content:</b>	0 % 0 g/l

### Section 10. Stability and reactivity

<b>Reactivity/Incompatible materials:</b>	Strong oxidizing agents.
<b>Possibility of hazardous reactions:</b>	Will not occur.
<b>Conditions to avoid:</b>	Stable
<b>Hazardous decomposition products:</b>	Oxides of carbon. Hydrocarbons Acrid smoke and fumes.

### Section 11. Toxicological information

Symptoms of Overexposure: None known.

**Acute oral toxicity:**

Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rat
	Method	OECD Guideline 401 (Acute Oral Toxicity)
Distillates (petroleum), hydrotreated light naphthenic < 3% DMSO 64742-53-6	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rat
	Method	OECD Guideline 401 (Acute Oral Toxicity)
Silicon 7440-21-3	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rat
	Method	OECD Guideline 401 (Acute Oral Toxicity)
Cristobalite, (RCS >=1% - <10%) 14464-46-1	Value type	LD50
	Value	3,160 mg/kg
	Species	rat
	Method	not specified

**Acute inhalative toxicity:**

Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5	Value type	LC50
	Value	> 5.53 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)
Distillates (petroleum), hydrotreated light naphthenic < 3% DMSO 64742-53-6	Value type	LC50
	Value	> 5.53 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)

**Acute dermal toxicity:**

Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rabbit
	Method	OECD Guideline 402 (Acute Dermal Toxicity)
Distillates (petroleum), hydrotreated light naphthenic < 3% DMSO 64742-53-6	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rabbit
	Method	OECD Guideline 402 (Acute Dermal Toxicity)

**Germ cell mutagenicity:**

Distillates (petroleum), hydrotreated light naphthenic < 3% DMSO 64742-53-6	Result	negative
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)

**Section 12. Ecological information****General ecological information:** Do not empty into drains / surface water / ground water.**Toxicity:**

Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5	Value type	LC50
	Value	> 1,000 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Oncorhynchus mykiss
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO	Value type	EC50
	Value	> 1,000 mg/l
	Acute Toxicity Study	Daphnia

64742-52-5	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5	Value type	NOELR
	Value	100 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Distillates (petroleum), hydrotreated light naphthenic < 3% DMSO 64742-53-6	Value type	LL50
	Value	> 100 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Pimephales promelas
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Distillates (petroleum), hydrotreated light naphthenic < 3% DMSO 64742-53-6	Value type	EC50
	Value	> 1,000 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	not specified
Cristobalite, (RCS >=1% - <10%) 14464-46-1	Value type	EC0
	Value	> 1,000 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	
	Species	
	Method	ISO 8192 (Test for Inhibition of Oxygen Consumption by Activated Sludge)

**Persistence and degradability:**

Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5	Result	not readily biodegradable.
	Route of application	aerobic
	Degradability	6 %
	Method	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)

**Section 13. Disposal considerations**

**Product**

**Method of disposal:** Dispose of in accordance with local and national regulations.

**Packaging**

**Disposal of uncleaned packages:** Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

**Section 14. Transport information**

**Road transport ADR:**

Not dangerous goods

**Railroad transport RID:**

Not dangerous goods

**Inland water transport ADN:**

Not dangerous goods

**Marine transport IMDG:**

Not dangerous goods

**Air transport IATA:**

Not dangerous goods

**Section 15. Regulatory information**

**Regulatory Information:** Workplace Safety And Health Act (Chapter 354A) Workplace Safety And Health (Approved Codes of Practice) Notification 2013 SS586 Specification for Hazard Communication for hazardous chemicals and dangerous good Part 1,2,3

**Global inventory status:**

Regulatory list	Notification
TSCA	yes
DSL	yes
KECI (KR)	yes
ENCS (JP)	yes
ISHL (JP)	yes
IECSC	yes
AICS	yes
PICCS (PH)	yes
CH INV	yes
EINECS	yes

**Section 16. Other information**

**Disclaimer:**

This Safety Data Sheet has been generated based on SS586. No warranty or representation of any kind is given with respect to the substantive or export laws of any other jurisdiction or country. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory Affairs for additional assistance. This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Dear Customer,

Henkel is committed to creating a sustainable future by promoting opportunities along the entire value chain. If you would like to contribute by switching from a paper to the electronic version of SDS, please contact the local Customer Service representative. We recommend to use a non-personal email address (e.g. SDS@your\_company.com).