Material Safety Data Sheet

11/-247

Revision Number: 003.0

A Company of the Comp



D.2.A, D.2.B

Issue date: 04/04/2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:

LOCTITE CLOVER 280 known as

Product type:

Company address:

Henkel Corporation

2515 Meadowpine Boulevard

Mississauga, Ontario L5N 6C3

Clover Sil Carbide Grs Mix 280.

Sharpening compound

702080

Item number:

IDH number:

39598 79509000

Region:

Canada

Contact information: Telephone: 905.814.6511

MEDICAL EMERGENCY Phone: Poison Control Center

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

Physical state:

Liquid, Paste

Gray

Color: Odor:

CAUTION:

Mild, Petroleum

MAY CAUSE EYE AND SKIN IRRITATION.

EMERGENCY OVERVIEW

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.

WHMIS hazard class:

Skin contact: May cause skin irritation with discomfort or rash.

Eye contact: Ingestion:

Contact with eyes will cause irritation. Not expected to be harmful by ingestion.

Existing conditions aggravated by

exposure:

Eye, skin, and respiratory disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR

1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Silicon carbide	409-21-2	30 - 60
Silicon	7440-21-3	0.1 - 1
Cristobalite	14464-46-1	0.1 - 1

4. FIRST AID MEASURES

Inhalation:

Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.

Skin contact:

Wash with soap and water. If symptoms develop and persist, get medical

attention.

IDH number: 702080

Product name: LOCTITE CLOVER 280 known as Clover Sil Carbide Grs Mix 280.

Page 1 of 5

Eye contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15

minutes. If symptoms develop and persist, get medical attention.

Ingestion:

If conscious, drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms develop and persist, get medical attention.

5. FIRE FIGHTING MEASURES

Flash point:

1878

> 93 °C (> 199.4 °F) Cleveland open cup

Autoignition temperature:

Not available.

Flammable/Explosive limits - lower:

Not available.

Flammable/Explosive limits - upper:

Not available.

Extinguishing media:

Carbon dioxide, foam, powder

Special firefighting procedures:

Wear self-contained breathing apparatus and full protective clothing, such as

turn-out gear.

Unusual fire or explosion hazards:

In case of fire, keep containers cool with water spray.

Hazardous combustion products:

Oxides of carbon, oxides of nitrogen, irritating organic vapors.

6. ACCIDENTAL RELEASE MEASURES

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

Environmental precautions:

Do not allow product to enter sewer or waterways.

Clean-up methods:

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

Handling:

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of

this product. Wash thoroughly after handling.

Storage:

IDH number: 702080

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 contact Henkel Canada Customer Service at 800-263-5043.

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 components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Silicon carbide	3 mg/m3 TWA Respirable fraction. 10 mg/m3 TWA Inhalable fraction. 0.1 FIBERS/CM3 TWA Fiber.	5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust.	None	None
Silicon	None	5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust.	None	None
Cristobalite	0.025 mg/m3 TWA Respirable fraction.	0.05 mg/m3 TWA Respirable. 0.15 mg/m3 TWA Total dust. 1.2 MPPCF TWA Respirable.	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.

Skin protection:

Use impermeable gloves and protective clothing as necessary to prevent skin

contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

Color:

Odor:

Odor threshold:

pH:

Vapor pressure:

Boiling point/range:

Melting point/ range:

Specific gravity:

Vapor density:

Flash point:

Flammable/Explosive limits - lower:

Flammable/Explosive limits - upper:

Autoignition temperature: Evaporation rate:

Solubility in water:

Solubility in water: Partition coefficient (n-octanol/water):

VOC content:

Viscosity:

IDH number: 702080

Liquid, Paste

Gray

Mild, Petroleum Not available.

Not available.

Not available.

285 - 900 °F (140.6 - 482.2 °C)

Not available.

1.3548

Heavier than air.

> 93 °C (> 199.4 °F) Cleveland open cup

Not available.

Not available.

Not available.

Less than butyl acetate.

Not available.

Not available.

Not available.

Essentially Zero Not available.

10. STABILITY AND REACTIVITY

Stability:

Stable

Sensitivity to Mechanical Impact: Not available.

Sensitivity to static discharge:

Not available.

Hazardous reactions:

Will not occur.

Hazardous decomposition

products:

Oxides of carbon. Hydrocarbons Acrid smoke and fumes.

Incompatible materials:

Strong oxidizing agents.

Conditions to avoid:

Stable

11. TOXICOLOGICAL INFORMATION

Toxicologically synergistic products:

Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)	ACGIH Carcinogen
Silicon carbide	No	Group 2A	No	Group A2
Silicon	No	No	No	No
Cristobalite	Known To Be Human Carcinogen.Reasona bly Anticipated to be a Human Carcinogen.	Group 1	No	Group A2

Hazardous components	LD50s and LC50s	Health Effects/Target Organs
Silicon carbide	None	Nuisance dust
Silicon	None	Irritant, Nuisance dust
Cristobalite	None	Carcinogen, Immune system, Kidney, Lung

12. ECOLOGICAL INFORMATION

Ecological information:

IDH number: 702080

Do not empty into drains / surface water / ground water.

Product name: LOCTITE CLOVER 280 known as Clover Sil Carbide Grs Mix 280. Page 4 of 5

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended cleaning agents:

Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number:

Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

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

Canada Transportation of Dangerous Goods - Ground

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: Identification number:

None None None

Packing group:

Water Transportation (IMO/IMDG) Proper shipping name:

Hazard class or division:

Not regulated

Identification number:

None None

Packing group:

None

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDSL Status:

All components are listed on or are exempt from listing on the Canadian Domestic

Substances List.

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.

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Reviewed MSDS. Reissued with new date.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.

Prepared by: Timothy Pratt, Regulatory Affairs Specialist

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel 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 Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

IDH number: 702080 Product name: LOCTITE CLOVER 280 known as Clover Sil Carbide Grs Mix 280. Page 5 of 5



Revision Number: 003.0



Issue date: 04/04/2016

PRODUCT AND COMPANY IDENTIFICATION

Product name:

SILICON GM 280 GRIT 2 OZ CN

Product type:

Sharpening compound

Company address: Henkel Corporation

2515 Meadowpine Boulevard Mississauga, Ontario L5N 6C3 IDH number:

234968

Item number: Region:

30569 Canada

Contact Information: Telephone: 905.814.6511

MEDICAL EMERGENCY Phone: Poison Control Center

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

Physical state:

Liquid, Paste

WHMIS hazard class:

D.2.A, D.2.B

Color: Odor:

Gray Mild, Petroleum

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. Contact with eyes will cause irritation.

Eye contact: Ingestion:

Not expected to be harmful by ingestion.

Existing conditions aggravated by

exposure:

Eye, skin, and respiratory disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR

1910.1200).

See Section 11 for additional toxicological information.

COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Silicon carbide	409-21-2	30 - 60
Silicon	7440-21-3	0.1 - 1
Cristobalite	14464-46-1	0.1 - 1

4. FIRST AID MEASURES

Inhalation:

Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.

Skin contact:

Wash with soap and water. If symptoms develop and persist, get medical

attention.

IDH number: 234968

Product name: SILICON GM 280 GRIT 2 OZ CN

Eye contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15

minutes. If symptoms develop and persist, get medical attention.

Ingestion:

If conscious, drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms develop and persist, get medical attention.

5. FIRE FIGHTING MEASURES

Flash point:

> 93 °C (> 199.4 °F) Cleveland open cup

Autoignition temperature:

Not available.

Flammable/Explosive limits - lower:

Not available.

Flammable/Explosive limits - upper:

Not available.

Extinguishing media:

Carbon dioxide, foam, powder

Special firefighting procedures:

Wear self-contained breathing apparatus and full protective clothing, such as

turn-out gear.

Unusual fire or explosion hazards:

In case of fire, keep containers cool with water spray.

Hazardous combustion products:

Oxides of carbon, oxides of nitrogen, irritating organic vapors.

6. ACCIDENTAL RELEASE MEASURES

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

Environmental precautions:

Do not allow product to enter sewer or waterways.

Clean-up methods:

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

Handling:

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of

this product. 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.

For information on product shelf life contact Henkel Canada Customer Service at 800-263-5043.

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 components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Silicon carbide	3 mg/m3 TWA Respirable fraction. 10 mg/m3 TWA Inhalable fraction. 0.1 FIBERS/CM3 TWA Fiber.	5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust.	None	None
Silicon	None	5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust.	None	None
Cristobalite	0.025 mg/m3 TWA Respirable fraction.	0.05 mg/m3 TWA Respirable. 0.15 mg/m3 TWA Total dust. 1.2 MPPCF TWA Respirable.	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.

Skin protection:

Use impermeable gloves and protective clothing as necessary to prevent skin

contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

Color:

Odor:

Odor threshold:

:Hq

Vapor pressure:

Boiling point/range:

Melting point/ range:

Specific gravity:

Vapor density:

Flash point:

Flammable/Explosive limits - lower: Flammable/Explosive limits - upper:

Autoignition temperature:

Evaporation rate:

Solubility in water: Solubility in water:

Partition coefficient (n-octanol/water):

VOC content:

Viscosity:

Liquid, Paste

Gray

Mild, Petroleum

Not available.

Not available.

Not available.

285 - 900 °F (140.6 - 482.2 °C)

Not available.

1.3548

Heavier than air.

> 93 °C (> 199.4 °F) Cleveland open cup

Not available. Not available.

Not available.

Less than butyl acetate.

Not available. Not available.

Not available.

Essentially Zero

Not available.

10. STABILITY AND REACTIVITY

Stability:

Stable

Sensitivity to Mechanical Impact: Not available.

Sensitivity to static discharge:

Not available.

Hazardous reactions:

Will not occur.

Hazardous decomposition

products:

Oxides of carbon. Hydrocarbons Acrid smoke and fumes.

Incompatible materials:

Strong oxidizing agents.

Conditions to avoid:

Stable

11. TOXICOLOGICAL INFORMATION

Toxicologically synergistic products:

Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)	ACGIH Carcinogen
Silicon carbide	No	Group 2A	No	Group A2
Silicon	No	No	No	No
Cristobalite	Known To Be Human Carcinogen.Reasona bly Anticipated to be a Human Carcinogen.	Group 1	No	Group A2

Hazardous components	LD50s and LC50s	Health Effects/Target Organs	
Silicon carbide	None	Nuisance dust	
Silicon	None	Irritant, Nuisance dust	
Cristobalite	None	Carcinogen, Immune system, Kidney Lung	

12. ECOLOGICAL INFORMATION

Ecological information:

Do not empty into drains / surface water / ground water.

IDH number: 234968

Product name: SILICON GM 280 GRIT 2 OZ CN

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended cleaning agents:

Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number:

Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

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

Canada Transportation of Dangerous Goods - Ground

Proper shipping name: Not regulated

Hazard class or division: Identification number:

None None

Packing group: None None

International Air Transportation (ICAO/IATA)

Proper shipping name:

Not regulated

Hazard class or division: Identification number:

None None

Packing group:

None

Water Transportation (IMO/IMDG)

Proper shipping name:

Not regulated

Hazard class or division:

None None

Identification number: Packing group:

None

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDSL Status:

All components are listed on or are exempt from listing on the Canadian Domestic

Substances List.

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.

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Reviewed MSDS. Reissued with new date.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.

Prepared by: Timothy Pratt, Regulatory Affairs Specialist

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel 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 Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

IDH number: 234968 Product name: SILICON GM 280 GRIT 2 OZ CN

Material Safety Data Sheet



Revision Number: 004.4 Issue date: 09/04/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:

LOCTITE SIL GM 120 GRIT known as

Product use:

Clover Sil Carbide Grs Mix 120.

Sharpening compound

Company address: Henkel Corporation

2515 Meadowpine Boulevard Mississauga, Ontario L5N 6C3 IDH number:

702079

Item number:

39598_79504000

D.2.B

Region: Canada

Contact information: Telephone: 905.814.6511

MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887MEDICAL

EMERGENCY Phone: Poison Control Center 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

WHMIS hazard class:

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:

Liquid, paste

Grav

Color: Odor:

Mild, Petroleum

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:

Eye contact:

0.5

May cause skin irritation with discomfort or rash, Contact with eyes will cause irritation.

Ingestion:

Not expected to be harmful by ingestion.

Existing conditions aggravated by

exposure:

Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
None	None	None

4. FIRST AID MEASURES

Inhalation:

Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.

Skin contact:

Wash with soap and water. If symptoms develop and persist, get medical

attention.

Eye contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15

minutes. If symptoms develop and persist, get medical attention.

IDH number: 702079

Product name: LOCTITE SIL GM 120 GRIT known as Clover Sil Carbide Grs Mix 120. Page 1 of 4

Ingestion:

If conscious, drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms develop and persist, get medical attention.

5. FIRE FIGHTING MEASURES

Flash point:

> 93 °C (> 199.4 °F) HST-US D09F; Flash/Fire Point By Cleveland Open Cup

Autoignition temperature:

Not available.

Flammable/Explosive limits - lower:

Not available.

Flammable/Explosive limits - upper:

Not available.

Extinguishing media:

Carbon dioxide, foam, powder

Special firefighting procedures:

Wear self-contained breathing apparatus and full protective clothing, such as

turn-out gear.

Unusual fire or explosion hazards:

In case of fire, keep containers cool with water spray.

Hazardous combustion products:

Oxides of carbon, oxides of nitrogen, irritating organic vapors.

Sensitivity to Mechanical Impact:

Not available.

Sensitivity to static discharge:

Not available.

6. ACCIDENTAL RELEASE MEASURES

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

Environmental precautions:

Do not allow product to enter sewer or waterways.

Clean-up methods:

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

Handling:

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of

this product. 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.

For information on product shelf life contact Henkel Canada Customer Service at 800-263-5043.

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 components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
None	None	None	None	None

Engineering controls:

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

IDH number: 702079

Product name: LOCTITE SIL GM 120 GRIT known as Clover Sil Carbide Grs Mix 120.
Page 2 of 4

Eye/face protection:

Safety goggles or safety glasses with side shields.

Skin protection:

Use impermeable gloves and protective clothing as necessary to prevent skin

contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

Liquid, paste

Color: Odor:

Gray Mild, Petroleum

Odor threshold:

Not available. Not available.

pH:

Vapor pressure: Boiling point/range: Not available.

Melting point/ range:

141 - 482 °C (285.8 - 899.6 °F) Not available.

Specific gravity:

1.3548

Vapor density:

Heavier than air.

Flash point:

Flammable/Explosive limits - lower:

> 93 °C (> 199.4 °F) HST-US D09F; Flash/Fire Point By Cleveland Open Cup

Flammable/Explosive limits - upper:

Not available. Not available.

Autoignition temperature:

Not available.

Evaporation rate: Solubility in water: Less than butyl acetate. Not available.

Solubility in water:

Not available.

Partition coefficient (n-octanol/water):

Not available.

VOC content:

Essentially Zero

STABILITY AND REACTIVITY

Stability:

Stable

Hazardous reactions:

Will not occur.

Hazardous decomposition products:

Oxides of carbon. Hydrocarbons Acrid smoke and fumes.

Incompatible materials:

Strong oxidizing agents.

Conditions to avoid:

Stable

TOXICOLOGICAL INFORMATION

Toxicologically synergistic products:

Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)	ACGIH Carcinogen
None	None	None	None	None

Hazardous components	LD50s and LC50s	Health Effects/Target Organs
None	None	None

12. ECOLOGICAL INFORMATION

Ecological information:

194

Do not empty into drains / surface water / ground water.

Product name: LOCTITE SIL GM 120 GRIT known as Clover Sil Carbide Grs Mix 120. Page 3 of 4

IDH number: 702079

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal:

Follow all local, state, federal and provincial regulations for disposal.

14. TRANSPORT INFORMATION

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

Canada Transportation of Dangerous Goods - Ground

Proper shipping name:

Not regulated

Hazard class or division: Identification number:

None None

Packing group:

None None

International Air Transportation (ICAO/IATA)

Proper shipping name:

Not regulated

Hazard class or division: Identification number:

None

Packing group:

None None

Water Transportation (IMO/IMDG)

Proper shipping name:

Not regulated

Hazard class or division:

None None

Identification number: Packing group:

None

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDSL Status:

All components are listed on or are exempt from listing on the Canadian Domestic

Substances List.

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.

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Reviewed MSDS. Reissued with new date.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.

Prepared by: Lou Fabrizio, Regulatory Affairs Specialist

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel 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 Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

IDH number: 702079 Product name: LOCTITE SIL GM 120 GRIT known as Clover Sil Carbide Grs Mix 120.
Page 4 of 4