

View Section : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

(N/A)

Product Name: Silver Grade Anti-Seize Stick
Manufacturer Name: Henkel Canada Corporation
Address: 2225 Meadowpine Boulevard
 Mississauga, Ontario L5N 7P2
 Canada

 Contact information:
 Emergency telephone: 905.814.6511
 Internet: www.henkelna.com

General Use: Lubricant
Business Phone: 905.814.6511
Revision Date: 02/10/2009
 Revision Number: 002.1
Product Codes: 37230, IDH number: 466864

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**SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS**

(N/A)

Ingredient Name	CAS#	Ingredient Percent
Distillates (petroleum), hydrotreated heavy naphthenic EC Index Number: 1	64742-52-5	10 - 30%
Mineral oil light naphthenic hydrotreat. < 3% DMSO EC Index Number: 1	64742-53-6	10 - 30%
Graphite EC Index Number: 1	7782-42-5	10 - 30%
Calcium oxide EC Index Number: 1	1305-78-8	10 - 30%
Aluminum not powder, dust or fume EC Index Number: 1	7429-90-5	5 - 10%

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**SECTION 3 : HAZARDS IDENTIFICATION**

(N/A)

Emergency Overview: CAUTION: CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
Physical State: Solid
Color: Silver
Odor: Mild
 WHMIS hazard class: D.2.B

Applies to All Ingredients :

Route of Exposure: Skin, Inhalation, Eyes
Potential Health Effects:
Eye Contact: Moderate eye irritation.
Skin Contact: Moderate skin irritation.
Inhalation: Moderate respiratory tract irritation.
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Principal hazard of ingestion is aspiration into the lungs and subsequent pneumonitis.
Aggravation of Pre-Existing Conditions: Eye, skin, and respiratory disorders.
 See Section 11 for additional toxicological information.

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**SECTION 4 : FIRST AID MEASURES**

(N/A)

Eye Contact: Get medical attention. Immediately flush eyes with plenty of water for at least 15 minutes.

Skin Contact:	Wash with soap and water. If symptoms develop and persist, get medical attention.
Inhalation:	Move to fresh air. If symptoms persist, seek medical advice.
Ingestion:	Do not induce vomiting. Aspiration may cause pulmonary edema and pneumonitis. Get medical attention.

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SECTION 5 : FIRE FIGHTING MEASURES : (N/A)

Flash Point:	Not available
Upper Flammable or Explosive Limit:	Not determined
Lower Flammable or Explosive Limit:	Not determined
Auto Ignition Temperature:	Not determined
Extinguishing Media:	Carbon dioxide. Dry chemical. Foam.
Hazardous Combustion Byproducts:	Oxides of carbon.
Fire Fighting Instructions:	None
Sensitivity to Impact:	Sensitivity to Mechanical Impact: Not available
Static Discharge Effects:	Sensitivity to static discharge: Not available
Unusual Fire Hazards:	None

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SECTION 6 : ACCIDENTAL RELEASE MEASURES : (N/A)

Personal Precautions:	Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Spill Cleanup Measures:	Scrape up as much material as possible. Clean residue with soap and water. Follow all local, state, federal and provincial regulations for disposal.
Environmental Precautions:	No special environmental precautions required.

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SECTION 7 : HANDLING and STORAGE : (N/A)

Handling:	Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Keep container closed.
Storage:	Keep in a cool, well ventilated area. For information on product shelf life contact Henkel Canada Customer Service at (905) 814-6511.

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SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION : (N/A)

Engineering Controls:	Use only with adequate ventilation. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
Skin Protection Description:	Cover as much of the exposed skin area as possible with appropriate clothing.
Eye/Face Protection:	Safety glasses with side-shields. Goggles.
Respiratory Protection:	Observe OSHA regulations for respiratory use (29 CFR 1910.134). Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
Exposure Limits:	<p>Hazardous components: Distillates (petroleum), hydrotreated heavy naphthenic AIHA WEEL: None OTHER: None</p> <p>Hazardous components: Mineral oil light naphthenic hydrotreat. < 3% DMSO AIHA WEEL: None OTHER: None</p> <p>Hazardous components: Graphite AIHA WEEL: None OTHER: None</p> <p>Hazardous components: Calcium oxide AIHA WEEL: None OTHER: None</p> <p>Hazardous components: Aluminum not powder, dust or fume AIHA WEEL: None OTHER: None</p> <p>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.</p>

Ingredient Guidelines

Ingredient: Aluminum not powder, dust or fume

Guideline Type:	ACGIH TLV-TWA
Guideline Information:	1 mg/m ³ Respirable fraction.
Guideline Type:	OSHA PEL-TWA
Guideline Information:	15 mg/m ³ (as Al) Total dust.; 5 mg/m ³ (as Al) Respirable dust.

Ingredient: Calcium oxide

Guideline Type:	ACGIH TLV-TWA
Guideline Information:	2 mg/m ³
Guideline Type:	OSHA PEL-TWA

Guideline Information:	5 mg/m3
Ingredient: <u>Distillates (petroleum), hydrotreated heavy naphthenic</u>	
Guideline Type:	ACGIH TLV-TWA
Guideline Information:	5 mg/m3 mist
Guideline Type:	ACGIH TLV-STEL
Guideline Information:	10 mg/m3 mist
Guideline Type:	OSHA PEL-TWA
Guideline Information:	5 mg/m3 mist
Ingredient: <u>Graphite</u>	
Guideline Type:	OSHA PEL-TWA
Guideline Information:	5 mg/m3 Respirable fraction.; 15 mg/m3 Total dust.; 15 MPPCF
Guideline Type:	ACGIH TLV-TWA
Guideline Information:	2 mg/m3 Respirable fraction.
Ingredient: <u>Mineral oil light naphthenic hydrotreat. < 3% DMSO</u>	
Guideline Type:	ACGIH TLV-STEL
Guideline Information:	10 mg/m3 Mist.
Guideline Type:	OSHA PEL-TWA
Guideline Information:	500 ppm (2,000 mg/m3)
Guideline Type:	ACGIH TLV-TWA
Guideline Information:	5 mg/m3 Mist.

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SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

: (N/A)

Color:	Silver
Odor:	Mild
Physical State:	Solid
pH:	Not applicable
Vapor Pressure:	Not determined
Vapor Density:	Not determined
Flash Point:	Not available
Auto Ignition Temperature:	Not determined
Upper Explosive Limit:	Not determined
Lower Explosive Limit:	Not determined
Boiling Point:	Not available
Melting Point:	Not available
Solubility:	In water: Insoluble
Specific Gravity:	1.10
Evaporation Point:	Not determined
Volatile Organic Compound Content:	12.69 %; 147 g/l
Odor Threshold:	Not available
Coefficient of Water/Oil Distribution:	Partition coefficient (n-octanol/water): Not determined

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SECTION 10 : STABILITY and REACTIVITY

: (N/A)

Chemical Stability:	Stable at normal conditions.
Conditions to Avoid:	None known.
Incompatibilities with Other Materials:	Oxidizing agents.
Reactivity:	Hazardous reactions: Will not occur.
Hazardous Decomposition Products:	Oxides of carbon.

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SECTION 11 : TOXICOLOGICAL INFORMATION

: (N/A)

Applies to all ingredients:

Other Toxicological Information:	Toxicologically synergistic products: Not available
	Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Distillates (petroleum), hydrotreated heavy naphthenic :

Acute Health Effects:	LD50s: None
Inhalation Effects:	LC50s: None
Carcinogenicity:	NTP Carcinogen: No IARC Carcinogen: No OSHA Carcinogen (Specifically Regulated): No ACGIH Carcinogen: No

Other Toxicological Information:	Health Effects/Target Organs: Irritant
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Mineral oil light naphthenic hydrotreat. < 3% DMSO :

Acute Health Effects:	LD50s: None
Inhalation Effects:	LC50s: None
Carcinogenicity:	NTP Carcinogen: No IARC Carcinogen: No OSHA Carcinogen (Specifically Regulated): No ACGIH Carcinogen: No

Other Toxicological Information:	Health Effects/Target Organs: Irritant
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Graphite :

Acute Health Effects:	LD50s: None
Inhalation Effects:	LC50s: None
Carcinogenicity:	NTP Carcinogen: No

	IARC Carcinogen: No OSHA Carcinogen (Specifically Regulated): No ACGIH Carcinogen: No Health Effects/Target Organs: Lung
Other Toxicological Information:	
Calcium oxide :	
Acute Health Effects:	LD50s: None
Inhalation Effects:	LC50s: None
Carcinogenicity:	NTP Carcinogen: No IARC Carcinogen: No OSHA Carcinogen (Specifically Regulated): No ACGIH Carcinogen: No
Other Toxicological Information:	Health Effects/Target Organs: Irritant, Corrosive, Eyes
Aluminum not powder, dust or fume :	
Acute Health Effects:	LD50s: None
Inhalation Effects:	LC50s: None
Carcinogenicity:	NTP Carcinogen: No IARC Carcinogen: No OSHA Carcinogen (Specifically Regulated): No ACGIH Carcinogen: Group A4
Other Toxicological Information:	Health Effects/Target Organs: Central nervous system, Irritant, Lung
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SECTION 12 : ECOLOGICAL INFORMATION : (N/A)

Ecological Paragraph: Not available

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SECTION 13 : DISPOSAL CONSIDERATIONS : (N/A)

Waste Disposal: Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.
Information provided is for unused product only.

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SECTION 14 : TRANSPORT INFORMATION : (N/A)

IMO:	Water Transportation:
IMO Shipping Name:	Not regulated
IMO Hazard Class:	Division: None
IMO UN Number:	Identification number: None
IMO Packing Group:	None
IATA:	International Air Transportation:
IATA Shipping Name:	Not regulated
IATA Hazard Class:	Division: None
IATA UN Number:	Identification number: None
IATA Packing Group:	None
Canadian TDG:	Packing group: None
Canadian Shipping Name:	Not regulated
Canadian Hazard Class:	Division: None
Canadian UN Number:	Identification number: None
Maritime Transportation CGVS/GGVE/IMDG:	Proper shipping name: Not regulated
CGVS/GGVE/IMDG UN or NA Identification Number:	None
CGVS/GGVE/IMDG Class:	Division: None
CGVS/GGVE/IMDG Packaging Group:	None
	International Air Transportation (ICAO):
	Proper shipping name: Not regulated
	Hazard class or division: None
	Identification number: None
	Packing group: None

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SECTION 15 : REGULATORY INFORMATION : (N/A)

Applies to all ingredients:

TSCA 8(b): Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

Canada WHMIS: WHMIS hazard class: D.2.B

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

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.

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MSDS Revision Date: 02/10/2009
Revision Number: 002.1

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

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

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