

Safety Data Sheet

Silver Kleen

Section 1: Identification

GHS product identifier

Product name: Silver Kleen

Product Code: 8

Recommended uses and uses advised against

Recommended use:

Soaking Warewash

Uses not recommended:

Supplier details

Aleva Chemical, Inc.
1792 Latham St.
Memphis, TN 38106

Telephone (general)
Website:

(888)504-8178
alevachem.com

Emergency telephone number

Infotrac:

(800) 535-5053

Section 2: Hazard identification

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012

Eye Damage/Irritation 2A (Irritant)
Mild Irritant (Skin)

Label Elements

OSHA HCS 2012

Warning



Hazard Statements

H319 Causes serious eye irritation.
H316 Causes mild skin irritation.

Precautionary Statements

Prevention

P264 Wash hands and skin after handling.
P280 Wear eye protection and/or face protection where applicable.

Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do.
Continue rinsing.
P337 + P313 If eye irritation persists: Get medical attention or advice.
P332 + P313 If skin irritation occurs: Get medical advice/attention.

Storage/Disposal

Other hazards

OSHA HCS 2012

No data available.

Other information
NFPA



Section 3: Composition/Information on Ingredients

Substances

Material does not meet the criteria of a substance.

Mixtures

Proprietary Dispersants/Stabilizers	[]	[Proprietary Dispersants]	CAS No. Not Applicable	3% - 10%
Nonionic Surfactants	[]	CAS No. Not specified	0% - 10%	
Anionic Surfactants	[]	CAS No. Not specified	0% - 10%	

See section 11 for toxicological information.

Section 4: First-Aid Measures

Description of first aid measures

Inhalation:

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Skin:

IF ON SKIN: Wash with plenty of soap and water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Call a poison center or doctor/physician if you feel unwell.

Eye:

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention.

Ingestion:

Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Loosen tight clothing such as collar, tie, belt, or waistband. If large quantities are swallowed, get emergency medical help immediately.

Most important symptoms and effects, both acute and delayed

Substance may cause slight skin irritation. May cause pain, conjunctivitis of the eyes or burns. Mist may cause irritation of the respiratory tract, experienced as nasal discomfort and discharge with chest pain and coughing. May affect respiration experienced as audible respiration, and mouth breathing, and distended abdomen. Exposure to high aerosol concentrations for a prolonged period of time may result in suffocation. Ingestion may cause nausea, vomiting and abdominal pain. May cause diarrhea. Aspiration into lungs may occur during ingestion or vomiting resulting in lung injury.

Indication of any immediate medical attention and special treatment needed:

All treatments should be based on observed signs and symptoms of distress in the patient. Treat symptomatically. Prolonged overexposure may result in kidney or liver damage.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

Dry chemical.
Large Fire: Water spray, fog, or foam.

Unsuitable extinguishing media:

Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture

Unusual fire and explosion hazards:

May be combustible at high temperatures.

Hazardous combustion products:

Carbon monoxide. Carbon dioxide (CO₂).

Advice for firefighters

Use water spray to cool containers exposed to fire. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions:

Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material.

Emergency procedures:

As an immediate precautionary measure, isolate spill or leak for at least 50 meters.

Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13, Disposal Considerations, for additional information.

Methods and material for containment and clean-up

Prevent further leakage or spillage if safe to do so. Dilute small spills or leaks with plenty of water. Absorb with inert material, and then place in suitable container for chemical waste. Keep in suitable, closed containers for disposal. For large spills - confine spill, soak up with approved absorbent, shovel product into approved container for disposal. Small spills may be permitted to be flushed to a sanitary sewer. Check with local authorities before proceeding. Dilute with water and clean up.

Section 7: Handling and Storage

Precautions for safe handling

Handling:

Use personal protection recommended in Section 8. Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust/fume/gas/mist/vapors/spray. Ground/bond container and receiving equipment. Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Storage:

Keep container tightly closed and store in a cool, dry and well-ventilated place. Store away from sources of ignition. Keep away from heat. Store away from incompatible materials. Do not store above 24°C/75.2°F.

Incompatible materials or ignition sources:

Oxidizing agents. Acids. Alkalis.

Section 8: Exposure Controls/Personal Protection

Control parameters

Component	Result	Exposure Limits/Guidelines		
		NIOSH	ACGIH	Canada Ontario
Proprietary Dispersants/Stabilizers CAS No. Not Applicable	STELs	Data lacking	Data lacking	Data lacking
	TWAs	Data lacking	Data lacking	Data lacking
Nonionic Surfactants CAS No. Not specified	STELs	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.	Data lacking
	TWAs	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.	Data lacking

Exposure controls

Engineering measures and controls:

Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

Incompatible materials or ignition sources:

Pictograms:



Respiratory: Not required.

Eye and face: Must wear goggles when using this product.

Hands: Must wear chemical protective gloves when using this product.

Skin and body: Chemical protective clothing not required but may be employed if desired.

General industrial hygiene considerations: Wash contaminated clothing before reuse

Environmental exposure controls: Follow best practice for site management and disposal of waste. Avoid release to the environment.

Key to Abbreviations

ACGIH= American Conference of Governmental Industrial Hygiene
 OSHA =Occupational Safety and Health Administration
 MSHA = Mine Safety and Health Administration

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures
 STEV = Short Term Exposure Value

NIOSH= National Institute of Occupational Safety and Health
 STEL = Short Term Exposure Limits are based on 15-minute exposures

Section 9: Physical and Chemical Properties

Information on physical and chemical properties

Material Description				
Physical Form	Liquid		Appearance/Description	Opaque
Color	Dark Green		Odor	Citrus Surfactant
Taste	Data lacking		Particulate Type	Not relevant
Particulate Size	Not relevant		Aerosol Type	Not relevant
Odor Threshold	Data lacking		Physical and Chemical Properties	Data lacking
General Properties				
Boiling Point	> 212 F		Melting Point	Data lacking
Decomposition Temperature	Data lacking		Heat of Decomposition	Data lacking
pH	8 - 9		Specific Gravity/Relative Density	1.076
Density	Data lacking		Bulk Density	Data lacking
Water Solubility	Soluble		Solvent Solubility	Data lacking
Viscosity	Data lacking		Explosive Properties	Classification criteria not met
Oxidizing Properties:	Data lacking			
Volatility				
Vapor Pressure	Data lacking		Vapor Density	Data lacking
Evaporation Rate	1		VOC (Wt.)	Data lacking
VOC (Vol.)	Data lacking		Volatiles (Wt.)	Data lacking
Volatiles (Vol.)	Data lacking			
Flammability				
Flash Point	Not applicable		UEL	Not applicable
LEL	Not applicable		Autoignition	Not applicable
Self-Accelerating Decomposition Temperature (SADT)	Data lacking		Heat of Combustion (ΔHc)	Data lacking
Burning Time	Data lacking		Flame Duration	Data lacking
Flame Height	Data lacking		Flame Extension	Data lacking
Ignition Distance	Data lacking		Flammability (solid, gas)	Not applicable
Environmental				
Half-Life	Data lacking		Octanol/Water Partition coefficient	Data lacking
Coefficient of water/oil distribution	Data lacking		Bioaccumulation Factor	Data lacking
Bioconcentration Factor	Data lacking		Biochemical Oxygen Demand BOD/BOD5	Data lacking
Chemical Oxygen Demand	Data lacking		Persistence	Data lacking

Degradation	Data lacking		
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Section 10: Stability and Reactivity

Reactivity

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possible hazardous reactions

None under normal processing. Avoid strong bases at high temperatures. Strong oxidizing agents. Avoid strong acids and materials reactive with hydroxyl compounds.

Conditions to avoid

Avoid prolonged excess heat which may cause product decomposition. Incompatible Materials.

Incompatible materials

Oxidizing agents. Acids. Alkalis.

Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO₂).

Section 11: Toxicological Information

Information on toxicological effects

Component	CAS No.	Data
Proprietary Dispersants/Stabilizers	Not Applicable	Data lacking Data lacking Data lacking
Nonionic Surfactants	Not specified	Dermal LD50: 1800 µL/kg (Rabbit) Data lacking Data lacking

Target organs

May affect behavior (somnolence, tremor), respiratory system (acute pulmonary edema), metabolism and liver.

Routes of entry and/or exposure

No data available.

Potential health effects

Inhalation

Acute (immediate):

Mist may cause irritation of the respiratory tract, experienced as nasal discomfort and discharge with chest pain and coughing. May affect respiration experienced as audible respiration, and mouth breathing, and distended abdomen

Chronic (delayed):

Exposure to high aerosol concentrations for a prolonged period of time may result in suffocation.

Skin

Acute (immediate):

Substance may cause slight skin irritation.

Chronic (delayed):

No data available.

Ingestion

Acute (immediate):

No data available.

Chronic (delayed):

No data available.

Eye

Acute (immediate):

May cause pain, conjunctivitis of the eyes or burns.

Chronic (delayed):

No data available.

Section 12: Ecological Information

Toxicity

Material data lacking.

Persistence and degradability

Material data lacking.

Bioaccumulative potential

Material data lacking.

Mobility in soil
Other adverse effects
Other information

Material data lacking.
No studies have been found.
No additional information available.

Section 13: Disposal Considerations

Waste treatment methods

Product waste
Packaging waste

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14: Transport Information

Special precautions for user
Transport in bulk according to annex II of MARPOL 73/78 and the IBC code

None specified.

Section 15: Regulatory Information

Safety, health and environmental regulations specific to substance or mixture
SARA hazard classifications:

Section 16: Other Information

Last revision date:
Preparation date:

2/25/2016
7/17/2018

Disclaimer and statement of liability:

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.