

SAFETY DATA SHEET

Section 1 - Identification

Product Identifier	GLIMMER Stainless Steel Cleaner
Other means of identification	2006
Recommended use	Stainless Steel Cleaner
Recommended restrictions	For commercial and industrial use only.
Manufacturer / Importer / Supplier / Distributor Information	
Company Name	National Chemical Laboratories of PA, Inc.
Address	401 N. 10th Street - Philadelphia, PA 19123
Telephone	1 (215) 922-1200
Supplier Email	info@nclonline.com
Contact	CHEM-TEL
Emergency Phone	1 (800) 255-3924

Section 2 - Hazard(s) Identification

SDS Hazards and Warnings are based on the undiluted product. Refer to diluted SDS for Ready-To-Use Hazards and Warnings.

	Classification	Category
Physical Hazards	Gases Under Pressure, Compressed Gas	
	Flammable Aerosols	2
Health Hazards	Acute toxicity, inhalation	4
	Serious eye damage/eye irritation	2B
	Skin corrosion/irritation	2
OSHA defined hazards	Not Classified.	
Label Elements		
Hazard Symbol		
Signal Word	Warning	
Hazard Statement	Contains gas under pressure; may explode if heated. Causes eye irritation. Causes skin irritation. Flammable aerosol. Harmful if inhaled.	
Precautionary statement		
Prevention	Keep out of reach of children. Read label before use. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not breathe dust/fume/gas/mist/vapors/spray.	
Response	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.	
Storage	Protect from sunlight. Do not expose to temperatures exceeding 122°F/50°C. Store in a well-ventilated place.	
Disposal	Dispose of waste and residues in accordance with local authority requirements.	
Hazard(s) not otherwise classified (HNOC)	None known.	

Section 3 - Composition/Information on ingredients

Mixture			
Hazardous Components	Ingredient Name	CAS #	%
	Medium aliphatic naphtha	64742-88-7	7 - 13
	Petroleum Distillate	64742-47-8	7 - 13
	Butane	106-97-8	3 - 7
	Polyalkyl siloxane	63148-62-9	1 - 5
	Propane	74-98-6	1 - 5

Section 4 - First-aid Measures

Inhalation	Move to fresh air and keep at rest. Call a physician if symptoms develop and persist.
Skin contact	Remove contaminated clothing and shoes. Rinse skin with water. If irritation develops and persists, get medical attention.

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Eye contact	Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.
Ingestion	Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low to avoid getting into the lungs. Call a poison control center if large amounts are ingested.
Indication of immediate medical attention and special treatment	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General Information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5 - Fire-fighting measures

Suitable extinguishing media	Powder, water spray, foam, carbon dioxide.
Unsuitable extinguishing media	Not available.
Specific hazards arising from the chemical	Contents under pressure. Containers may explode when heated.
Special protective equipment and precautions for firefighters	Keep containers cool using water spray. Use proper equipment to protect personnel from bursting containers.
Fire-fighting equipment /instructions	Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).
Specific Methods	Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures.	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.
Methods and materials for containment and cleaning up	Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.
Environmental precautions	Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Section 7 - Handling and storage

Precautions for safe handling	Contents under pressure. Keep out of reach of children. Read label cautions carefully. Follow label directions to avoid injury. Use with adequate ventilation. Do not use in confined areas. Keep away from heat, sparks or open flames. Wash hands thoroughly after each use. Do not smoke while using. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not puncture container.
Conditions for safe storage, including any incompatibilities	Keep out of reach of children. Do not store near heat, sparks, or open flames. Do not expose to temperatures above 120°F as container may vent, rupture or burst. Do not puncture or incinerate container. Do not store in direct sunlight. Store in a cool, dry, well-ventilated area away from incompatible materials.

Section 8 - Exposure control/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Butane (CAS 106-97-8)	TWA	1000 ppm
Medium aliphatic naphtha (CAS 64742-88-7)	TWA	100ppm
Petroleum Distillate (CAS 64742-47-8)	TWA	100 ppm
Propane (CAS 74-98-6)	TWA	1000 ppm

US. ACGIH Threshold Limit Values

Component	Type	Value
Butane (CAS 106-97-8)	TLV	1000 ppm
Petroleum Distillate (CAS 64742-47-8)	TLV	200 mg/m ³
Medium aliphatic naphtha (CAS 64742-88-7)	TLV	200 mg/m ³
Propane (CAS 74-98-6)	TLV	1000 ppm

Appropriate engineering controls Maintain adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection	Usage of safety glasses/ goggles is recommended.
Skin protection	
Hand protection	Chemical resistant gloves
Other	None.
Respiratory protection	Respiratory Protection not required for normal use.

Section 9 - Physical and chemical properties

Appearance	White opaque liquid.
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Physical state	Mixture packaged in pressurized aerosol spray can.
Form	Liquid.
Color	White.
Odor	Lemon.
Odor threshold	Not available.
pH	7.0 -8.0
Melting point/freezing point	Not available.
Initial boiling point and boiling range	>100 °F
Flash point	
Evaporation rate	Slower.
Flammability (solid, gas)	
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	N/A
Vapor density	N/A
Relative density	0.91 - 0.99
Relative density temperature	75 °F (23.89 °C)
Solubilities	Soluble
Partition Coefficient n-octanol/water	Not available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
Viscosity	
Viscosity Temperature	75 °F (23.89 °C)
Other Information	
VOC's	20.04
Pressure	40 - 52 psig @ 70 °F

Section 10 - Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions.
Chemical stability	Stable at normal conditions.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to Avoid	Heat, sparks, open flames and temperatures above 120°F
Incompatible materials	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide. Hydrocarbons.

Section 11 - Toxicological information

Information on likely routes of exposure

Inhalation	May cause respiratory tract irritation. This product may be aspirated onto the lungs and cause chemical pneumonitis.
Skin contact	May cause skin irritation. Handling can cause dry skin.
Eye contact	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Information on toxicological effects.

Acute toxicity

Components	Level	Type	Code	Species	Results
Polyalkyl siloxane (CAS 63148-62-9)	Acute	Oral	LD50	Rat	> 17000 mg/kg

Germ cell mutagenicity Not Hazardous by WHMIS/OSHA criteria.

Carcinogenicity Not Hazardous by WHMIS/OSHA criteria.

Chronic effects Not Hazardous by WHMIS/OSHA criteria.

Section 12 - Ecological Information

Ecotoxicity	May cause long-term adverse effects in the aquatic environment
Persistence and degradability	Not available.
Bioaccumulative potential	Not available.
Mobility in soil	Not available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine

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disruption, global warming potential) are expected from this component.

Section 13 - Disposal considerations

Disposal instructions	Before offering for recycling, empty the container by using the product according to the label. If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

Section 14 - Transport information

DOT	
UN number	UN1950
Proper shipping name	Aerosols, flammable
Transport hazard class(es)	2.1
Packing group	Not Applicable.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Labels required	None/Ninguno
Packaging exemption	306
Packaging non bulk	None/Ninguno
Packaging bulk	None/Ninguno
Comment	This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

IATA	
UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	2.1
Packaging group	Not Applicable.
Environmental hazards	No.
Labels required	2.1
ERG Code	10L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other Information	
Passenger and Cargo aircraft	Allowed.
Cargo aircraft only	Allowed.
Packaging Exceptions	LTD QTY

IMDG	
UN number	UN1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	2.1
Packaging group	Not Applicable.
Environmental hazards	No.
Marine pollutant	
Labels required	2.1
EmS	F-D, S-U
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Packaging Exceptions	LTD QTY
Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code	Not applicable.

Section 15 - Regulatory Information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D)

Components

Butane (CAS 106-97-8)

Result

N/A%

Comment

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Medium aliphatic naphtha (CAS 64742-88-7)	N/A%
Petroleum Distillate (CAS 64742-47-8)	N/A%
Polyalkyl siloxane (CAS 63148-62-9)	1-5%
Propane (CAS 74-98-6)	N/A%

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

CERCLA Hazardous Substance List (40 CFR 302.4)

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories	Immediate Hazard	No
	Delayed Hazard	No
	Fire Hazard	Yes
	Pressure Hazard	Yes
	Reactivity Hazard	No

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Safe Drinking Water Act (SDWA)

Food and Drug Administration (FDA) Not regulated.

US state regulations

US.Massachusetts RTK - Substance List

Components
Butane (CAS 106-97-8)
Propane (CAS 74-98-6)

US.New Jersey Worker and Community Right-to-Know Act

Components
Butane (CAS 106-97-8)
Polyalkyl siloxane (CAS 63148-62-9)
Propane (CAS 74-98-6)

US.Pennsylvania RTK - Hazardous Substances

Components
Butane (CAS 106-97-8)
Polyalkyl siloxane (CAS 63148-62-9)
Propane (CAS 74-98-6)

US.Rhode Island RTK

US - California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory Name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances	No
Unites States Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16 - Other information, including date of preparation or last version

Issue date 4/10/2015

Version # 01

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