



Have fun in your garage!®

Safety Data Sheet

Ultra-Premium Glass Cleaner

SECTION 1: PRODUCT AND COMPANY INFORMATION

Product Identifiers

Name Ultra-Premium Glass Cleaner
Number 10998
Brand Griot's Garage
Product Use Glass Cleaner

Supplier

Name
Address

Telephone

Emergency Phone

Prepared/Revised

SECTION 2: HAZARD IDENTIFICATION

Classification of the substance or mixture

Physical Hazards Liquefied gas (Category 2), Contains gas under pressure; may explode if heated.

Precautionary Statements and Label Elements

Pictograms Gas Cylinder



Signal Word

WARNING

Prevention

Use only outdoors or in a well-ventilated area. Wash hands and exposed skin after use. Contaminated clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Storage

Protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.

Disposal

Dispose of container or contents in accordance with all regulations.

Other hazards

None

Supplemental Information

See Section 16 for alphanumeric H-Statements.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	% Wt.	Hazard Classification
Propane	74-98-6	1-5	Flam. Gas 1 - H220; Press. Gas (*)
Butane	106-97-8	1-5	Flam. Gas 1 - H220; Press. Gas (*)
Sodium lauroyl sarcosinate	137-16-6	0.1-1	Acute Tox. 2 (Inhalation) - H330; Skin Irrit. 2 - H315; Eye Dam. 1 - H318
Isopropanol	67-63-0	2-5	Flam. Liq. 2 - H225; Eye Irrit. 2 - H319; STOT SE 3 - H336
2-Butoxyethanol	111-76-2	<1	Acute. Tox. 4 - H302, H312, H332; Skin Irrit. 2 - H315; Eye Irrit. 2a - H319

This composition consists of a combination of ingredients. The ones potentially contributing to classified hazards are reported above. The above chemistries are provided for industrial hygiene and environmental purposes and are not intended to represent product specifications.

* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General advice

Move out of dangerous area. Consult a physician if you feel unwell. Show this safety data sheet to the doctor and first responders.

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<u>If inhaled</u>	Remove person to fresh air and keep comfortable for breathing. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention.
<u>In case of skin contact</u>	Wash affected skin with soap and water. Take off all contaminated clothing and shoes. Wash contaminated clothing before reuse. If irritation develops, get medical attention.
<u>In case of eye contact</u>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.
<u>If swallowed</u>	Immediately call a POISON CENTER or doctor/physician. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed: None anticipated.
Indication of any immediate medical attention and special treatment needed: None anticipated.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media

Suitable Extinguish with carbon dioxide, dry chemical, foam, or water spray (FOG).

Unsuitable Do not use water jet.

Special hazards arising from the substance or mixture

Pressurized container: May burst if heated.

Advice for firefighters A self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. (MSHA/NIOSH approved or equivalent) and protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

Further information If employees are expected to fight fires, training and equipment information can be found in OSHA Fire Brigades Standard (29 CFR 1910.156).

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Use appropriate safety equipment. Keep unnecessary and unprotected personnel from entering the area. Keep upwind of spill. Ventilate area of leak or spill. Avoid breathing spray. Wear protective gloves/eye protection.

Environmental precautions

Prevent liquid entering sewers, basements and work pits.

Methods and materials for containment and cleaning up

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

Reference to other sections-resources

None.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Use only outdoors in a well-ventilated area. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

- Storage temperature Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store locked up.

- Incompatible materials This product should be stored away from sources of strong heat or oxidizing chemicals.

Specific end use Cleaner.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Component Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
n-Butane	106-97-8	-----	250 ppm	-----	-----	-----
Propane	74-98-6	1000 ppm	Aspyx.#	-----	-----	Assure min. oxy. content of work atm.

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Isopropanol	67-63-0	400 ppm	200 ppm	-----	400 ppm	-----
2-Butoxyethanol	111-76-2	50 ppm	20 ppm	-----	-----	-----

Recommended monitoring method NIOSH 1500 (hydrocarbons, B.P. 36-126°C) NIOSH 1400 (Alcohols I); NIOSH 1403 (Alcohols IV).

Appropriate engineering controls Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapour etc) below recommended exposure limits. Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards to potentially exposed workers.

Personal protective equipment

Eye/face protection



Wear protective eyewear (goggles, face shield, or safety glasses). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection



Wear suitable gloves if prolonged skin contact is likely (Nitrile rubber). Dispose of contaminated gloves after use in accordance with applicable regulations and good practices. Wash and dry hands. Wash contaminated clothing and decontaminate shoes before reuse.

Respiratory protection



Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear respiratory equipment. Respirators should only be used with a written program as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

Thermal Hazards

Not normally required.

Control of environmental exposure

None known.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:	Liquid/Liquified Gas
Color:	Clear
Odor:	Not available
Odor Threshold (ppm):	Not available
pH:	Not available
Freezing Point/Melting Point:	Not available
Boiling Point/Range:	Not available
Flash Point:	Non-flammable
Evaporation Rate:	Not available
Flammability (solid, gas):	Non-flammable
Explosive Limit Ranges:	Not applicable
Vapor Pressure (mm Hg@20°F):	Not available
Vapor Density (Air= 1):	Not available
Density:	Not available
Solubility (Water):	Not available
Solubility (Other):	Not available
Partition Coefficient (n-octanol/water):	Not Available
Auto Ignition Point:	Non-flammable
Decomposition Temperature (°C):	Not Available
Kinematic Viscosity (cSt):	<20
Explosive Properties:	Not explosive
Oxidizing Properties:	Not oxidizing
Other Information:	Not Available

Physical Data is typical values based on material tested, but may vary based on composition. Values should not be accepted as guaranteed for every lot or as specifications for this product.

SECTION 10: STABILITY AND REACTIVITY

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Reactivity	Does not react under normal conditions of use.
Chemical Stability	Stable under normal conditions of use.
Possibility of Hazardous Reactions	None anticipated.
Stability/Incompatibility	Avoid contact with strong oxidizers.
Conditions to Avoid	Avoid contact with heat and ignition sources.
Hazardous Reactions/Decomposition Products	None known.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Exposure routes	Inhalation, Skin contact, eye contact
Component toxicity	
-Mixtures	<u>Acute toxicity</u> – LD50>5000 mg/kg-bw. <u>Irritation/Corrosivity</u> – Causes serious eye irritation.
-Propane	<u>Acute toxicity</u> – Inhalation LC50 = 1237 mg/L (2 hour, mouse, gas). <u>Irritation/Corrosivity</u> – No evidence of irritant effects from normal handling and use. <u>Sensitization</u> – It is not a skin sensitizer. <u>Repeated dose toxicity</u> – NOAEC ≥ 19678 mg/m ³ (28 day, rat, systemic effects). LOAEC= 21641 mg/m ³ (28 day, rat, effects: body weight). <u>Carcinogenicity</u> – It is unlikely to present a carcinogenic hazard to man. <u>Mutagenicity</u> – There is no evidence of mutagenic potential. <u>Toxicity for reproduction</u> – None anticipated.
-Isoproponal	<u>Acute toxicity</u> – Oral LD50 = 5.84 g/kg (rat,), Inhalation LC50 > 1000 ppm (rat, 6 hours), Dermal LD50 = 16.4ml/kg (rabbit, 24 hours). May cause drowsiness or dizziness. <u>Irritation/Corrosivity</u> – Irritating to eyes. <u>Sensitization</u> – It is not a skin sensitizer. <u>Repeated dose toxicity</u> – NOAEL = 5,000 ppm (inhalation). May cause drowsiness or dizziness. <u>Carcinogenicity</u> – It is unlikely to present a carcinogenic hazard to man. <u>Mutagenicity</u> – There is no evidence of mutagenic potential. <u>Toxicity for reproduction</u> – Not available.

Additional Information None known.

SECTION 12: ECOLOGICAL INFORMATION

Component Ecotoxicity	
- Isopropanol	<u>Short-term</u> - LC50 (96 hour): 10,000 mg/L (Fathead minnow (<i>Pimephales promelas</i>)); LC50 (24 hour) > 10,000 mg/L (<i>Daphnia magna</i>). <u>Long-term</u> –NOEC: 3.37 µmol/L (<i>Daphnia magna</i>) (Growth rate).
Persistence and biodegradability	Not available.
Bioaccumulation potential	Not available.
Mobility in soil	Not available.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATION

Waste treatment methods	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
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SECTION 14: TRANSPORT INFORMATION

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
UN number	1950	1950	1950
Proper Shipping Name	Aerosols, non-flammable	Aerosols, non-flammable	Aerosols, non-flammable
Transport hazard class(es)	2.2	2.2	2.2
Packing group	Not applicable	Not applicable	Not applicable
Environmental hazards	None assigned	None assigned	None assigned
Special precautions for user	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL 73/38 and the IBC Code: Not applicable.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through a shipper authorized sales or customer service representative.

SECTION 15: REGULATORY INFORMATION

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Safety, health and environmental regulations/legislation specific for the substance or mixture:

Federal

TSCA: All components of this product are listed or polymer exempt.
Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4): None
SARA TITLE III: (Superfund Amendments and Reauthorization Act)
302 Components: None are subject to the reporting requirements of Section 302.
313 Components: None are subject to the reporting requirements of Section 313.
311/312 Hazards: Fire, Sudden release, Immediate (acute)

SECTION 16: OTHER INFORMATION

Full alphanumeric H-Statements and P-Statements

H220: Extremely flammable gas.
H225: Highly flammable liquid and vapor.
H301: Toxic if swallowed.
H302: Harmful if swallowed.
H311: Toxic in contact with skin.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H330: Fatal if inhaled.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.

Disclaimer

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