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Safety Data Sheet

Citrus Multi-Surface Cleaner

SECTION 1: PRODUCT AND COMPANY INFORMATION

Product Identifiers

Name Citrus Multi-Surface Cleaner
Number 11367
Brand Griot's Garage
Product Use Dissolve and remove stains from surfaces
Supplier Name Griot's Garage Inc. - www.griotsgarage.com
Address 3333 South 38th Street – Tacoma - WA 98409
2185 Airwest Blvd - Plainfield, IN 46168
Telephone 800-345-5789 - 888-252-2252 Fax - info@griotsgarage.com
Emergency Phone **800-345-5789**
Prepared/Revised February 12, 2020

SECTION 2: HAZARD IDENTIFICATION

Classification of the substance or mixture

Physical Hazards Liquified gas (Category 2), Contains gas under pressure; may explode if heated.
Health Hazards Skin irritant (Category 2), Causes skin irritation. - Eye irritant (category 2) Causes serious eye irritation. – Skin sensitizer (Category 1B) May cause an allergic skin reaction.

Precautionary Statements and Label Elements

Pictograms Gas Cylinder –Exclamation Mark



Signal Word

WARNING

Prevention

Do not pierce or burn, even after use. 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. Avoid breathing vapors/spray.

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

Toxic to aquatic life.

Supplemental Information

See Section 16 for alphanumeric H-Statements and P-Statements.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	% Wt.	Hazard Classification
d-Limonene	5989-27-5	1-5	Flam. Liq. 3- H226; Asp. Tox. 1-H304; Skin Irrit. 2-H315; Skin Sens. 1B-H317; Aquatic Acute 1-H400; Aquatic Chronic 3-H412.
Propane	74-98-6	1-5	Flam. Gas 1-H220; Liquified gas –H280.
n-Butane	106-97-8	1-5	Flam. Gas 1-H220; Liquified gas –H280.
Silicic acid, disodium salt (1:2)	6834-92-0	~1	Skin Corr. 1B-H314; Eye Dam. 1-H318; STOT SE 3- H335; Met. Corr. 1-H290.
Sodium xylene sulfonate	1300-72-7	~1	Skin Irrit. 2-H315.
Alcohols, C12-C14, ethoxylated	84133-50-6	<1	Skin Irrit. 2-H315; Eye Dam. 1-H318; Aquatic Acute 2-H401
Sodium triphosphate	7758-29-4	<1	Skin Irrit. 2-H315; Eye Irrit. 2-H319; STOT SE 3-H335
Sodium N-lauroylsarcosinate	137-16-6	<1	Acute Tox. 2-H330; Skin Irrit. 2-H315; Eye Dam. 1-H318
Sodium Nitrite	7632-00-0	<1	Oxid. Solid 2-H272; Eye Irrit. 2A-H319; Acute Tox. 3-H301; Aqu. Acute 1-H400

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Fragrance	Mixture	< 1	Flam. Liq. 3-H226; Skin Irrit. 2-H315; Eye Irrit. 2-H319; Skin Sens. 1B-H317; Asp. Tox. 1-H304; Aqu. Acute 1-H400; Aqu. Chronic 2-H401.
Water	7732-18-5	> 80	Not Classified as dangerous for use.

Additional Information None

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.

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.

If inhaled Remove person to fresh air and keep comfortable for breathing. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention.

In case of skin contact Wash affected skin with soap and water. Take off all contaminated clothing and shoes. Wash contaminated clothing before reuse. If irritation (redness, rash, blistering) develops, get medical attention.

In case of eye contact 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.

If swallowed Do not induce vomiting. Do not give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell. Rinse mouth.

Most important symptoms and effects, both acute and delayed: Contains citrus terpenes. May produce an allergic skin reaction in persons already sensitized.

Indication of any immediate medical attention and special treatment needed: If swallowed, Immediately call a POISON CONTROL center or doctor/physician.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media

Suitable Extinguish dry chemical, CO2, water spray (FOG) or foam.

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

Eliminate sources of ignition. Wear protective gloves/protective clothing/eye protection/face protection. Avoid contact with skin and eyes. Avoid breathing gas/spray. Use appropriate safety equipment. Keep unnecessary and unprotected personnel from entering the area.

Environmental precautions

Prevent liquid entering sewers, basements and work pits. Avoid release to the environment.

Methods and materials for containment and cleaning up

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

Reference to other sections-resources

None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Keep away from heat/sparks/open flames/hot surfaces and other ignition sources. – No smoking. Use only outdoors in a well-ventilated area. Avoid contact with skin and eyes. Avoid breathing gas/spray.

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.

Recommended monitoring method
Appropriate engineering controls

NIOSH 1500 (hydrocarbons, B.P. 36-216°C)

Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. 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 equipmentEye/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 suitable 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. Use gloves with insulation for thermal protection, when needed.

Control of environmental exposure

None known.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Appearance:	Aerosol Spray
Color:	Clear
Odor:	Citrus-like
Odor Threshold:	Not Available
pH:	Not Available
Melting Point (°C)/Freezing Point (°C):	Not Available
Boiling Point/Range (°C):	Not Available
Flash Point (°C):	Not Available
Evaporation Rate (ethyl ether = 1):	Not Available
Flammability (solid, gas):	Note 1*
Explosive Limit Ranges:	Not Available
Vapor Pressure (Pascal):	Not Available
Vapor Density (Air=1):	Not Available
Density (g/ml):	Not Available
Solubility (Water):	Not Available
Solubility (Other):	Not Available
Partition Coefficient (n-octanol/water):	Not Available
Auto Ignition Point (°C):	Not Available
Decomposition Temperature (°C):	Not Available
Kinetic Viscosity (cSt):	Not Available
Explosive Properties:	Not explosive
Oxidizing Properties:	Not oxidizing

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Other Information:

Note 1* - Product is not classified as flammable but will burn on contact with flame or exposure to high temperature.

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

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 Strong oxidizing agents.
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

- Propane Acute toxicity – Oral LC50 = 1237 mg/L (2-hr, mouse, gas), Dermal LD50 > 15800 mg/kg (rabbit). Irritation/Corrosivity – No evidence of irritant effects from normal handling and use.. Sensitization – It is not a skin sensitizer. Repeated dose toxicity –NOAEC ≥ 19678 mg/m³ (28 day, rat, Systemic effects). LOAEC 21641 mg/m³ (28 day, rat, effects: Body weight. Carcinogenicity – No data. It is unlikely to present a carcinogenic hazard to man. Not listed as a carcinogen by NTP, IARC,ACGIH, OSHA, NIOSH. Mutagenicity – Toxicity for reproduction – None.

-d-Limonene Acute toxicity – Oral LD50>5000 mg/kg-bw (rat), Dermal LD50>2000 mg/kg-bw (rabbit), Irritation/Corrosivity – Causes skin irritation. Sensitization – Sensitizer. May cause an allergic skin reaction. Repeated does toxicity – Not available. Carcinogenicity – It is unlikely to present a carcinogenic hazard to man. IARC,-3. Not listed as a carcinogen by NTP, ACGIH, OSHA, NIOSH. Mutagenicity –Toxicity for reproduction – Not to be expected.

Additional Information None known.

SECTION 12: ECOLOGICAL INFORMATION

Component Ecotoxicity

- d-Limonene Short-term - LC50 (96 hour) 0.720 mg/L (fish); EC50 (48 hour) 0.307 mg/L (crustacea); EC50 (72 hour) 0.214-0.320 mg/L (algae). Long-term – NOEC (28 days) 0.37mg/L (Fish), LOEC (21 days) 0.173 mg/L (crustacea), NOEC (72 hour) <0.05 mg/L (algae)

Persistence and biodegradability Biodegradable.
Bioaccumulation potential This product has no potential for bioaccumulation.
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.

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

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), Chronic (delayed).

SECTION 16: OTHER INFORMATION

Full alphanumeric H-Statements and P-Statements used in Sections 2 and 3.

H220: Extremely flammable gas.
H226: Flammable liquid and vapor.
H272: May intensify fire, oxidizer.
H280: Contains gas under pressure; may explode if heated.
H290: May be corrosive to metals.
H301: Toxic if swallowed.
H304: May be fatal if swallowed and enters airways.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H330: Fatal if inhaled.
H335: May cause respiratory irritation.
H400: Very toxic to aquatic life.
H401: Toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

P251: Pressurized container: Do not pierce or burn, even after use.
P264: Wash skin and exposed area after handling/use.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F

Disclaimer

The data presented here relates only to the specific material designated herein and does not relate to use in combination with any other materials or in any process. The information set forth above is based on technical data believed to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside our control, no warranties, expressed or implied are made, and no liability is assumed in connection with any use of this information. Judgments as to the suitability of this information for the user's purposes are necessarily the user's responsibility. Although reasonable care has been taken in the preparation of this information, no responsibility is assumed as to the accuracy or suitability of this information for its application to the users intended purpose or for consequences of its use.

Prepared by Griot's Garage