

Lemon Multi-Purpose Cleaner

Absolute Green

Safety Data Sheet

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1. Product and Company Identification

1.1 Product identifiers

Product Name	Lemon Multi-Purpose Cleaner
Producer	Absolute Green
Product Number	No data available
CAS-No.	Mixture

1.2 Identified uses of the product and uses advised against

Identified Uses	Cleaner
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1.3 Details of the chemical supplier

Company	Absolute Green
Address	PO Box 43 Metuchen, NJ 08840
Telephone:	800-596-0766

1.4 Emergency phone number

Emergency phone number	Chemtrec: 1-800-424-9300 (USA) CANUTEC: 1-613-996-6666 (Canada)
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2. Hazards Identification

2.1 Classification of the substance or mixture

GHS Class	Skin irritation, Category 2 Respiratory Irritation, Category 3
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2.2 GHS Label elements, including precautionary statements

GHS Pictograms



Signal word	Warning
Hazard statements	H320 – Causes eye irritation H335 – May cause respiratory irritation

Precautionary statements	P264 – Wash hands thoroughly after handling. 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 advice/attention.
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2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - None

3. Composition/Information on Ingredients

3.1 Product mixture

Synonyms	No data available
Formula	No data available; mixture
Molecular wt	Mixture
CAS-No.	Mixture
EC-No.	Mixture

Chemical Name	CAS-No.	EINECS#	Ingredient Percent
Water	7732-18-5	231-791-2	Proprietary
Non-GMO Sugar Cane Ethyl Alcohol	64-17-5	200-578-6	Proprietary
Alkyl Polyglycoside	68515-73-1	500-220-1	Proprietary
Lavandin Grosso Essential Oil	8022-15-9	617-009-6	Proprietary
Lemon Essential Oil	8008-56-8	616-925-3	Proprietary

Remarks There are no additional hazardous ingredients greater than or equal to 1.0 wt% concentration or carcinogenic ingredients greater than or equal to 0.1 wt% concentration.

4. First Aid Measures

4.1 Description of first aid measures

General advice Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Skin contact Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Eye contact Rinse cautiously with water for 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Inhalation After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin CPR.

Ingestion Rinse mouth. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects Causes eye irritation. Causes respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Other first aid Treat symptomatically.

5. Fire Fighting Measures

5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media Use alcohol-resistant foam, dry chemical, water in large amounts or carbon dioxide spraying extinguishing media to base of flames.

5.2 Special hazards arising from the substance or mixture

Special hazards Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Advice for firefighters

Protective equipment Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined spaces without full bunker gear. Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures

Personal precautions Prevent vapor build up. Remove ignition sources. Isolate from oxidizers, extreme heat and open flame. Use special care to avoid static electric charges. For personal protection see section 8.

6.2 Environmental precautions

Environmental precautions Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and materials for containment and cleaning up

Methods for cleanup Use spark proof tools and explosion proof equipment. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Dispose of via a licensed waste disposal contractor.

6.4 References to other sections

Other references For disposal see section 13.

7. Handling and Storage

7.1 General hygiene considerations

General hygiene

Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2 Precautions for safe handling

Safe handling precautions

Handle empty containers with care because residual vapors are flammable. Provide good ventilation in process area to prevent formation of vapor. Take precautionary measures against static discharge. Use only non-sparking tools.

7.3 Conditions for safe storage, including any incompatibilities

Other storage conditions

Keep only in the original container in a cool, well ventilated place away from heat sources. Keep container tightly closed.

8. Exposure Controls/Personal Protection

8.1 Control and exposure limits recommended by the chemical manufacturer

MATERIAL	CAS-No.	EC-No.	TWA (OSHA)	TLVA (ACGIH)
Non-GMO Sugar Cane Ethyl Alcohol	64-17-5	200-578-6	1,000 ppm	1,000 ppm A4

8.2 Appropriate engineering controls

Engineering controls

A system of local and / or general exhaust is recommended. Please refer to ACGIH document, Industrial ventilation, A Manual of Recommended Practices, most recent edition, for details.

8.3 Individual protection measures, such as personal protective equipment

Respiratory protection

None required for consumer use. For manufacturing quantities: where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye/face protection

None required for consumer use. For manufacturing quantities: safety glasses with side-shields conforming to EN166 are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Hand protection

None required for consumer use. For manufacturing quantities: handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

None required for consumer use. For manufacturing quantities: wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

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| a) Appearance | Colorless to cloudy liquid |
| b) Odor | Lemon |
| c) Odor threshold | No data available |
| d) pH | 5 – 7 |
| e) Melting/freezing point | No data available |
| f) Boiling range | 77 - 100°C |
| g) Flash point | >100°C |
| h) Evaporation rate | No data available |
| i) Flammability (solid, gas) | Class III-B |
| j) Upper/lower flammability or explosive limits | Upper (UEL): No data available
Lower (LEL): 4.3 |
| k) Vapor pressure | 17.9 |
| l) Vapor density | 0.683 |
| m) Relative density | 0.995 |
| n) Water solubility | Appreciable |

o) Partition coefficient octanol/water	No data available
p) Auto-ignition temp	422°C
q) Decomposition temp	No data available
r) Viscosity	No data available
s) VOC's	4.1 Vol % / 32.7 g/L / 0.2lbs/Gal
t) Total VOC's	4.1 Vol % / 32.7 g/L / 0.2lbs/Gal
u) Non-exempt VOC's	4.1 Vol % / 32.7 g/L / 0.2lbs/Gal
v) Hazardous Air Pollutants	0.0 Wt % / 0.0 g/L / 0.0lbs/Gal

10. Stability and Reactivity

10.1 Reactivity

Reactivity	No data available
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10.2 Chemical stability

Chemical stability	Stable under ordinary conditions of use and storage. .
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10.3 Possibility of hazardous reactions

Hazardous reactions	Hazardous polymerization will not occur. Vapors may form explosive mixture with air.
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10.4 Conditions to avoid

Conditions to avoid	Isolate from oxidizers, heat, sparks, electric equipment and open flame.
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10.5 Incompatible materials

Incompatible materials	Strong oxidizing agents.
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10.6 Hazardous decomposition products

Hazardous products	Carbon monoxide. Carbon dioxide.
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11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

MATERIAL	CAS-No.	EC-No.	LD50 (Oral)	LD50 (Vapor)
Non-GMO Sugar Cane Ethyl Alcohol	64-17-5	200-578-6	7,800 mg/kg (Rats)	2,000 ppm (Rats)

Skin corrosion/irritation

Skin corrosion irritation	Causes skin irritation, defatting, dermatitis.
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Ingestion

Ingestion/swallowing hazards	Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea.
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Serious eye damage/eye irritation

Eye damage/eye irritation	Causes eye irritation, redness, tearing, blurred vision.
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Respiratory or skin sensitization

Respiratory sensitizer	Irritates respiratory tract. Acute overexposure can cause serious nervous system depression.
Skin sensitizer	May cause an allergic skin reaction.

Germ cell mutagenicity

Mutagenicity	No data available
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Suspected cancer agent

ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

Reproductive toxicity

Reproductive toxicity	No data available
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Aspiration hazard

Aspiration hazard No data available

12. Ecological Information**12.1 Ecotoxicity (aquatic and terrestrial)**

Ecotoxicity This product may be harmful or fatal to plant and animal life if released into the environment.

12.2 Persistence and degradability

Degradability No data available.

12.3 Bioaccumulation potential

Bioaccumulation No data available

12.4 Mobility in soil

Mobility in soil This material is a mobile liquid.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment Not available as chemical safety assessment not required/not conducted.

13. Disposal Considerations**13.1 Waste treatment methods**

Waste treatment disposal Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

14. Transport Information**DOT**

Not regulated

TDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

15. Regulatory Information**15.1 Safety, health, and environmental regulations specific to the product or mixture**

SARA 302 Components No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

TSCA This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States: none.

EINECS All components of this product is on the European Inventory of Existing Commercial Chemical Substances.

Canada DSL All components of this product are on the Canada Domestic Substance List.

CA Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other InformationHMIS Rating Health hazard: 1
Flammability: 1
Physical Hazard 0NFPA Rating Health hazard: 1
Fire Hazard: 1
Reactivity Hazard: 0

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The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Absolute Green assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Absolute Green assumes no responsibility for injury to vendee or third persons proximately caused by use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

Abbreviations and acronyms

IMDG - International Maritime Code for Dangerous Goods
TDG - Transportation of Dangerous Goods
IATA - International Air Transport Association
GHS - Globally Harmonized System of Classification and Labelling of Chemicals
PBT - Persistent, bioaccumulative and toxic assessment
vPvB - Very persistent and very bioaccumulative assessment
ACGIH - American Conference of Governmental Industrial Hygienists
NIOSH - National Institute for Occupational Safety and Health
TLV - Threshold Limit Values
CAS - Chemical Abstracts Service (division of the American Chemical Society)
NFPA - National Fire Protection Association
HMIS - Hazardous Materials Identification System
CFR - Code of Federal Regulations
SARA - Superfund Amendments and Reauthorization Act
DOT - US Department of Transportation
EC50 - Half maximal effective concentration
LD50 - Median lethal dose
LC50 - Median lethal concentration
SDS - Safety Data Sheet