

1. Identification

Product Information	B845
Product Name:	Citrus Pro
Recommended Use	Professional Carpet Cleaning
Uses advised against	Professional Use Only
Supplier	Legend Brands Prochem 15180 Josh Wilson Road Burlington, WA 98233 E-Mail: sds@legendbrands.com 800-932-3030 Legend Brands 4520 Eastgate Parkway Mississauga, ON L4W 3W6 800-932-3030
Emergency telephone number	INFOTRAC 1-800-535-5053 (North America) 1-352-323-3500 (International)

2. Hazards Identification**GHS Classification in accordance with 29 CFR 1910.1200**

Eye Dam. 1, Ox. Liq. 3, Skin Sens. 1

GHS Pictograms**Signal Word**

Danger

Unknown Acute Toxicity

7.9% of the mixture consists of ingredients of unknown acute toxicity

HAZARD STATEMENTS

May intensify fire; oxidiser.

May cause an allergic skin reaction.

Causes serious eye damage.

Precautionary Statements - Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep/Store away from clothing/.../combustible materials.

Take any precaution to avoid mixing with combustibles...

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

If on skin: Wash with plenty of water

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a poison center/doctor.

If skin irritation or rash occurs: Get medical advice/attention.

In case of fire: Use CO2 dry chemical or foam to extinguish.

Precautionary Statements - Disposal

Dispose of contents in accordance with local/regional/national/international regulations.

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>
Dipropylene Glycol Butyl Ether	29911-28-2	25-50
2-(2-BUTOXYETHOXY)ETHANOL	112-34-5	25-50
Distillates, petroleum, hydrotreated light	64742-47-8	10-25
Ethoxylated Alcohol Mixture	NJ TSRN CS 1274	2.5-10
Ethoxylated alcohols, C9-C11	68439-46-3	2.5-10
D-limonene	5989-27-5	1.0-2.5

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid Measures

Description of first-aid measures

General advice

Call a physician if irritation develops or persists.

Inhalation

Move to fresh air. If symptoms persist, call a physician. Immediate medical attention is required.

Skin contact

If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present.

Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately. Gently wipe or rinse the inside of the mouth with water.

Symptoms

See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

Notes to physician

Treat symptomatically.

5. Fire-fighting Measures

Extinguishing media

Suitable extinguishing media

Water spray. Dry powder. Alcohol-resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide (CO2).

Extinguishing media which shall not be used for safety reasons

High volume water jet.

Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions.

Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. Accidental Release Measures**Personal precautions, protective equipment and emergency procedures****Personal precautions**

No Information

Advice for emergency responders

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe vapors or spray mist. Use personal protection recommended in Section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. See Section 12 for additional Ecological information.

Methods and materials for containment and cleaning up**Methods for Containment**

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers. Use personal protective equipment. Remove all sources of ignition.

Methods for cleaning up

Use personal protective equipment as required.

Reference to other sections

See section 8 for more information

7. Handling and Storage**Conditions for safe storage, including any incompatibilities****Advice on safe handling**

Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures

See section 7 for more information.

Storage Conditions

Keep containers tightly closed in a cool, well-ventilated place. Store in original container.

8. Exposure Controls/Personal Protection**Ingredients with Occupational Exposure Limits**

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
2-(2-BUTOXYETHOXY)ETHANOL	10 ppm	N.E.	N.E.	N.E.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

Engineering Measures

Showers, eyewash stations, and ventilation systems.

Personal protective equipment**Eye/Face Protection**

Safety glasses with side-shields.

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment.

Hygiene measures

See section 7 for more information.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear
Color	Pale orange
Odor	Citrus
Odor Threshold	No Information
pH	No Information
Melting/freezing point, °C (°F)	No Information
Flash Point, °C (°F)	72 (161.6)
Boiling point/boiling range, °C (°F)	230 (446)
Evaporation rate	No Information Available
Explosive properties	No Information
Vapor pressure	No Information
Vapor density	No Information
Specific Gravity (g/cm ³)	0.930
Water solubility	Miscible
Partition coefficient	No Information
Autoignition temperature, °C	No Information
Decomposition Temperature °C	No Information
Viscosity, kinematic	No Information

Other information

Volatile organic compounds (VOC) content	0% at 4oz/gallon.
Density, lb/gal	No Information

10. Stability and Reactivity

Reactivity

Stable under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None known based on information supplied

Conditions to Avoid

Direct sources of heat.

Incompatible Materials

None known based on information supplied

Hazardous Decomposition ProductsCarbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.**11. Toxicological Information****Information on toxicological effects****Acute toxicity****Product Information**

No Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 17,094.017094 mg/kg

ATEmix (dermal) 8,207.310586 mg/kg

Component Information

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
112-34-5	2-(2-BUTOXYETHOXY)ETHANOL	5660 mg/kg Rat	2700 mg/kg Rabbit	N.I.
NJ TSRN CS 1274	Ethoxylated Alcohol Mixture	1000-2000 mg/kg	2000 mg/kg	>1600 mg/l (Vapor)
5989-27-5	D-limonene	5200 mg/kg, 4400 mg/kg Rat	>5000 mg/kg Rabbit	N.I.

N.I. = No Information

Skin corrosion/irritation.

SKIN IRRITANT

Eye damage/irritation.

No Information

Respiratory or skin sensitization.

No Information

Ingestion.

No Information

Germ cell mutagenicity.

Show this safety data sheet to the doctor in attendance. When symptoms persist or in all cases of doubt seek medical advice

Carcinogenicity.

No Information

Reproductive toxicity.

No Information

Specific target organ systemic toxicity (single exposure).

No Information

Specific target organ systemic toxicity (repeated exposure).

No Information

Aspiration hazard.

No Information

Primary Route(s) of Entry

No Information

12. Ecological Information**Toxicity**

9.35000 % of mixture consists of components of unknown hazards to the aquatic environment.

Ecotoxicity effects

<u>Chemical Name</u>	<u>Toxicity to algae</u>	<u>Toxicity to fish</u>	<u>Toxicity to daphnia and other aquatic invertebrates</u>
Dipropylene Glycol Butyl Ether 29911-28-2	-	LC50 96 h Poecilia reticulata 841 mg/L	-

2-(2-BUTOXYETHOXY) ETHANOL 112-34-5	EC50 96 h <i>Desmodemus subspicatus</i> >100 mg/L	LC50 96 h <i>Lepomis macrochirus</i> 1300 mg/L	EC50 48 h <i>Daphnia magna</i> >100 mg/L
Distillates, petroleum, hydrotreated light 64742-47-8	-	LC50 96 h <i>Pimephales promelas</i> 45 mg/L, LC50 96 h <i>Lepomis macrochirus</i> 2.2 mg/L, LC50 96 h <i>Oncorhynchus mykiss</i> 2.4 mg/L	-
D-limonene 5989-27-5	-	LC50 96 h <i>Pimephales promelas</i> 0.619 - 0.796 mg/L, LC50 96 h <i>Oncorhynchus mykiss</i> 35 mg/L	-

Persistence and degradability

No data are available on the product itself.

Bioaccumulative potential

Discharge into the environment must be avoided.

Mobility in soil

No information

Other adverse effects

No information

13. Disposal Considerations

Waste Disposal Guidance

Disposal should be in accordance with applicable regional, national and local laws and regulations.

No Information

14. Transport Information

DOT

Hazard Class: Not regulated

IMDG

Hazard Class: Not regulated

IATA

Not regulated

15. Regulatory Information

International Inventories:

TSCA	Complies
DSL	Complies
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECI	-
PICCS	-
AICS	-
NZIoC	-

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory
DSL	Canadian Domestic Substances List
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS	Japan Existing and New Chemical Substances
IECSC	China Inventory of Existing Chemical Substances
KECL	Korean Existing and Evaluated Chemical Substances
PICCS	Philippines Inventory of Chemicals and Chemical Substances
AICS	Australian Inventory of Chemical Substances
NZIoC	New Zealand Inventory of Chemicals
TCSI	Taiwan Chemical Substance Inventory

U.S. Federal Regulations:

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Weight Percent</u>
Isopropyl alcohol	67-63-0	0.1-1.0

TOXIC SUBSTANCES CONTROL ACT 12(b):

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components are present in this product.

CALIFORNIA PROPOSITION 65 CARCINOGENS



WARNING

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

<u>Chemical Name</u>	<u>CAS-No.</u>
Ethylene oxide	75-21-8

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS



WARNING

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

<u>Chemical Name</u>	<u>CAS-No.</u>
Ethylene oxide	75-21-8

16. Other Information

Revision Date:	12/3/2018	Supersedes Date:	New SDS
Reason for revision:	Periodic review		
Datasheet produced by:	Regulatory Department		

HMIS Ratings:

Health:	3	Flammability:	2	Physical Hazard:	0	Personal Protection:	B
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NFPA Ratings:

Health:	3	Flammability:	2	Instability:	0	Physical & Chemical:	-
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Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product where instructions and recommendations are not followed.