

SAFETY DATA SHEET

Date Issued: 06-05-2015
Supersedes: 08-30-2013

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: Lemon DC Plus™
Product Number: BPR045001-A and BPR0452QM-A
Brand: Brighton Professional™

Recommended use: Disinfectant cleaner
Uses advised against: Uses other than those identified on the product label are not recommended.

Supplier Name: Staples Contract & Commercial, Inc.
Supplier Address: 500 Staples Drive
 Framingham MA 01702 USA

Supplier Phone Number: 1-888-322-0912
SDS Internet Address: <http://sds.staples.com>

Emergency telephone number: 1-888-322-0912

2. HAZARDS IDENTIFICATION

Classification for the Undiluted Product

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

GHS Label elements, including precautionary statements

Emergency Overview:



Signal word: Danger

Hazard Statements: Causes severe skin burns and eye damage. Causes serious eye damage.

Precautionary Statements – Prevention: Wash skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

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 or doctor/physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a poison center or doctor/physician if you feel unwell.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation occurs, get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor/physician.

Precautionary Statements – Storage: Store locked up.

Precautionary Statements – Disposal: Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC): Not applicable

Other information: Harmful to aquatic life with long lasting effects.

Interactions with Other Chemicals: None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Ethanol	64-17-5	1 - 5
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	1.61 – 1.77
Didecyldimethylammonium chloride	7173-51-5	2.41 – 2.67

Fragrance added.

4. FIRST AID MEASURES

General Advice:	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
Eye Contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. Seek immediate medical attention/advice.
Skin Contact:	Wash off immediately with soap and plenty of water for at least 15 minutes. Call a physician immediately.
Inhalation:	Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. Give oxygen. Call a physician immediately.
Ingestion:	Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.
Self-protection of the first aider:	First aider needs to protect himself. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

Most Important Symptoms and Effects: Burning sensation.

Notes to Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Water spray, dry powder, foam.
Unsuitable extinguishing media:	CAUTION: Use of water spray when fighting fire may be inefficient.
Specific Hazards Arising from the Chemical:	Heating or fire can release toxic gas.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool fire-exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use respirator when performing operations involving potential exposure to vapor of the product.
Environmental Precautions:	Do not flush into surface water or sanitary sewer system.
Methods for containment and cleaning up:	Contain spillage, and then collect with non-combustible absorbent, material, (e.g. sand, earth diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13).

7. HANDLING AND STORAGE

Handling:	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Provide sufficient air exchange and/or exhaust in work areas. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.
Storage:	Open dumping is prohibited. Store in original container in areas inaccessible to children. Keep out of reach of children. Do not contaminate water, food or feed by storage and disposal. Keep container tightly closed and dry. Do not freeze or expose to direct sunlight.
Incompatible Products:	Strong oxidizing agents. Reducing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component/CAS#	Value type (form of exposure)	Control parameters / Permissible concentration	Basis
Ethanol 64-17-5	STEL	1,000 ppm	ACGIH
	REL	1,000 ppm 1,900 mg/m3	NIOSH/GUIDE
	PEL	1,000 ppm 1,900 mg/m3	OSHA-TRANS
	TWA	1,000 ppm 1,900 mg/m3	Z1A
	STEL	1,000 ppm	CAD ON OEL

Engineering Measures: General ventilation normally adequate. In case of aerosol formation use respirator with an approved filter.

Eye / Face Protection: Tightly fitting safety goggles or face-shield.

Skin and Body Protection: Wear protective gloves and protective clothing. Long sleeved clothing. Impervious gloves.

Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Wash hands after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Appearance: Liquid
Color: Yellow

Odor: Lemon
Odor Threshold: No information available

Property

<u>Property</u>	<u>Values</u>
pH (Conc.)	7.2 – 8.2
Melting / freezing point	No data available
Boiling point /boiling range	No data available
Flash Point	>93.33 °C
Evaporation Rate	No data available
Flammability	No data available
Lower flammability limit	No data available
Vapor density	No data available
Specific Gravity	1.000
Water Solubility	Soluble
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available
Explosive properties	No data available
Softening Point	No data available
Particle Size	No data available
Particle Size Distribution	No data available

10. STABILITY AND REACTIVITY

Reactivity	Stable under recommended storage conditions.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None known. Stable.
Hazardous Polymerization	Hazardous polymerization does not occur.

Conditions to Avoid None known.
Incompatible Materials Strong oxidizing agents. Reducing agents.
Hazardous Decomposition Products Thermal decomposition can lead to release of irritating gases and vapors.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information:

Acute toxicity: Harmful if swallowed.

Skin corrosion/irritation: Irritating to skin.

Serious eye damage/eye irritation: Causes eye burns.

Component Information

Information on toxicological effects

Symptoms Erythema (skin redness). May cause redness and tearing of the eyes. May cause blindness. Burning.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.
Mutagenic Effects No information available.
Carcinogenicity No information available.
Reproductive Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Chronic Toxicity No information available..
Target Organ Effects No information available.
Aspiration Hazard No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: The environmental impact of this product has not been fully investigated.

Persistence and Degradability: No information available.

Bioaccumulation:

Chemical Name / CAS#	Log Pow
Ethanol 64-17-5	-0.3

Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by disposal.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Non-refillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

24-HR EMERGENCY PHONE: 1-888-322-0912

DOT: Not Regulated

15. REGULATORY INFORMATION

FIFRA: This product is a US EPA Registered pesticide, EPA Reg. No. 47371-131-86226, and is subject to certain labeling requirements under Federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide products. Following is the hazard information as required on the pesticide label:

Signal word: Danger
Hazard statement: Corrosive. Causes irreversible eye damage and skin burns. Harmful if inhaled.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

California Proposition 65

This product does not contain any substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

U.S. State Right-to-Know Regulations:

Chemical Name / CAS#	New Jersey	Massachusetts	Pennsylvania
Ethanol 64-17-5	X	X	X

TSCA: Disinfectants are exempt from TSCA inventory list.

16. OTHER INFORMATION

Prepared By: Regulatory Specialist, Staples Brand Group, (508) 253-5000

Always follow label directions carefully when using this or any other chemical product. If information about this product is required, please contact Staples at 1-888-322-0912 or visit our website at www.staplesadvantage.com. Keep Safety Data Sheets filed and organized in an area accessible to workers according to all applicable regulations.

All information contained in this SDS is provided to the best of Staples Contract & Commercial Inc.'s knowledge. No warranty is made with respect to this information expressed or implied, including warranties of merchantability or fitness for a particular purpose. Users are responsible for verifying the information under their own operating conditions to determine whether the products listed in the SDS are suitable for their intended use. Users are responsible for compliance with all laws and regulations as may be required by their receipt of the information and use of the products provided with this SDS.