



SAFETY DATA SHEET

Date Issued: 05-28-2015

Supersedes: 10-01-2012

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

Product Name: Virustat TBQ™
Product Number: BPR490032-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).

Serious eye damage/eye irritation	Category 2B
-----------------------------------	-------------

GHS Label elements, including precautionary statements

Emergency Overview:

No Hazard symbol required

Signal word: Warning

Hazard Statements: Causes eye irritation. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary Statements – Prevention: Wash thoroughly after handling. Avoid release to the environment.

IF IN EYES: 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.

Precautionary Statements – Storage: Store away from incompatible materials. Store locked up.

Precautionary Statements – Disposal: Dispose of contents/container in accordance with local/regional/national regulations.

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-%
Diethylene glycol monobutyl ether	112-34-5	8
Tetrasodium ethylenediamine tetraacetate	64-02-8	1.6
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0 (or 68956-79-6)	0.105
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	0.105

Balance is water and similar non-hazardous ingredients. Contains fragrance.

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 fog, foam, dry chemical powder, Carbon dioxide (CO ₂).
Unsuitable extinguishing media:	Do not use water jet as a extinguisher, as this will spread the fire.
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:	Keep unnecessary personnel away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation.
Environmental Precautions:	Avoid release to the environment. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. Prevent further leakage or spillage if safe to do so.
Methods for containment and cleaning up:	Stop the flow of material, if safe to do so. Dike large spills. Absorb in vermiculite, dry sand or earth and place into containers. Wipe up small spills with absorbent material and clean surface thoroughly. Never return spills to original containers for re-use. Do not discharge effluent into sewer systems, ground or public waterways.

7. HANDLING AND STORAGE

Handling:	Avoid contact with skin, eyes or clothing. Avoid prolonged exposure. Provide adequate ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Handle in accordance with good industrial hygiene and safety practice.
------------------	---

Storage: Store in a dry place no lower in temperature than 50 oF or higher than 120oF. Do not contaminate water, food or feed by storage and disposal. Keep out of reach of children.

Incompatible Products: Strong acids. Strong bases. Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component/CAS#	Value type (form of exposure)	Control parameters / Permissible concentration	Basis
Diethylene glycol monobutyl ether 112-34-5	TWA	10 ppm	ACGIH

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

Eye / Face Protection: Wear safety glasses with side shields (or goggles).

Skin and Body Protection: Wear protective gloves and protective clothing.

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: Blue

Odor: Lemon
Odor Threshold: No information available

Property

pH (as is)
Melting / freezing point
Boiling point /boiling range
Flash Point
Evaporation Rate
Flammability
Lower flammability limit
Vapor density
Specific Gravity
Water Solubility
Solubility in other solvents
Partition coefficient: n-octanol/water
Autoignition temperature
Decomposition temperature
Kinematic viscosity
Dynamic viscosity
Explosive properties
Softening Point
Particle Size
Particle Size Distribution

Values

11.5 – 12.5
No data available
> 212 °F
>93.9 °C
No data available
No data available
No data available
No data available
1.008
Soluble
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available
No data available

10. STABILITY AND REACTIVITY

Reactivity	Non-reactive under normal conditions of use, storage and transport.
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to Avoid	None known based on information supplied.
Incompatible Materials	Strong acids. Strong bases. Strong oxidizing agents.
Hazardous Decomposition Products	Nitrogen, ammonia, carbon dioxide, carbon monoxide, low weight hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Acute toxicity:	Acute oral toxicity (LD50): > 5 g/kg (Rat)
	Acute dermal toxicity (LD5): > 5 g/kg (Rabbit)
	Acute inhalation (LC50): > 2.43 mg/l

Skin corrosion/irritation: Causes mild skin irritation.

Serious eye damage/eye irritation: Causes eye irritation.

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	Contains no ingredient listed as a carcinogen.
Reproductive Toxicity	Not expected to cause reproductive or developmental effects.
STOT - single exposure	Not applicable.
STOT - repeated exposure	Not applicable.
Chronic Toxicity	Not applicable.
Target Organ Effects	Not applicable.
Aspiration Hazard	Not applicable.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Chemical Name / CAS	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Tetrasodium ethylenediamine tetraacetate 64-02-8	-	96h LC50: =472 - 500 mg/L (Lepomis macrochirus)	-	-

Persistence and Degradability: Expected to be readily biodegradable.

Bioaccumulation:

Chemical Name / CAS#	Log Pow
Diethylene glycol monobutyl ether 112-34-5	0.56

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 recap. Agitate vigorously. Follow Pesticide Disposal instructions for rinsate disposal. Drain for 10 seconds after the flow begins to drip. Repeat procedure two more times. Offer for recycling or reconditioning, if available. If not available, puncture and dispose in a sanitary landfill.

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. 1839-83-86226, 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: Caution

Hazard statement: Causes moderate eye irritation.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Acetaldehyde #75-07-0 <0.1% by wt.

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 contains a substance known to the State of California to cause cancer:

Acetaldehyde #75-07-0

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

TSCA: Disinfectants are exempt from TSCA inventory listing.

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.