

SAFETY DATA SHEET

Date Issued: 05-28-2015

Supersedes: 08-30-2013

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

Product Name: Hepastat 256™
Product Number: BPR4252QM-A and BPR4254HM-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 1B
Serious eye damage/eye irritation	Category 1
Flammable liquids	Category 3
Acute toxicity (oral)	Category 4
Acute toxicity (Dermal)	Category 4

GHS Label elements, including precautionary statements

Emergency Overview:



Signal word:

Danger

Hazard Statements:

Flammable liquid and vapor. Harmful if swallowed or in contact with skin. Causes severe skin burns and eye damage. Causes serious eye damage.

Precautionary Statements – Prevention:

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. 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 in a well-ventilated place. Keep cool. 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-%
Octyl decyl dimethyl ammonium chloride	32426-11-2	6.5
Alcohol ethoxylates	68439-46-3	6.0
N-Alkyl (C12-16) dimethyl benzyl ammonium chloride	68424-85-1	8.7
Dioctyl dimethyl ammonium chloride	5538-94-3	2.6
Didecyl dimethyl ammonium chloride	7173-51-5	3.9
Tetrasodium ethylenediamine tetraacetate	64-02-8	3.0
Ethanol	64-17-5	2.8
Sodium metasilicate	6834-92-0	0.9

Balance is water and similar non-hazardous ingredients. 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. 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. Store locked up in tightly closed, original, corrosive resistant container in a cool (10° - 30°C), dry, well-ventilated area. Do not freeze or expose to direct sunlight.
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
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: Red

Odor: Woody-Quat
Odor Threshold: No information available

Property

pH (Conc.)
pH (Diluted 1:64):
Melting / freezing point

Values
12.0 – 13.5
10 -11
No data available

Boiling point /boiling range	No data available
Flash Point	51.66 °C
Evaporation Rate	No data available
Flammability	No data available
Lower flammability limit	No data available
Vapor density	No data available
Specific Gravity	1.008
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	No data available.
Chemical Stability	Stable under recommended storage 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	Carbon oxides. Nitrogen oxides. Toxic vapors/fumes of amines.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information:

Acute toxicity: Acute oral toxicity (LD50): 1,050 mg/kg (Rat)
Acute dermal toxicity (LD50): 1,100 mg/kg (Rabbit)

Skin corrosion/irritation: Severe irritant, possibly corrosive (Rabbit); Method: DOT

Serious eye damage/eye irritation: Severe irritant, possible corrosive (Rabbit); Method: DOT

Component Information

Chemical Name / CAS#	Oral LD50	Dermal LD50	Respiratory or skin sensitization
N-Alkyl (C12-16) dimethyl benzyl ammonium chloride 68424-85-1	= 344 mg/kg (Rat)	3.340 mg/kg (Rabbit) 24 hr	Not sensitizing. Test Type: Buehler test (Guinea pig) Method: OECD Test Guideline 406 Assessment: Did not cause sensitization on lab animals. GLP: Yes.

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 sensitizing
Mutagenic Effects	No information available.
Carcinogenicity	Contains no ingredient listed as a carcinogen.
Reproductive Toxicity	No information available.
STOT - single exposure	No information available.

STOT - repeated exposure
Chronic Toxicity
Target Organ Effects
Aspiration Hazard

No information available.
 No known effect based on information supplied.
 Respiratory system. Eyes. Skin. Systemic Toxicity.
 No information available.

12. ECOLOGICAL INFORMATION

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

Chemical Name / CAS#	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
N-Alkyl (C12-16) dimethyl benzyl ammonium chloride 68424-85-1	72h ErC50 = 0.049	96h LC50: = 0.28 mg/L (Pimephales promelas)	3h EC50: = 7.75 mg/l (activated bacteria sludge)	48h EC50: = 0.016 mg/l
Nonylphenol branched ethoxylated 127087-87-0		96h LC50: = 6.6 mg/l (Pimephales promelas)	EC50: > 5,000 mg/l	48h EC50: = 21.6 mg/l

Persistence and Degradability:

Chemical Name / CAS#	OECD Confirmatory Test	Modified SCAS Test	CO2 Evolution Test
N-Alkyl (C12-16) dimethyl benzyl ammonium chloride 68424-85-1	Biodegradation: > 90%	Biodegradation: > 99% Exposure: 7 d	Biodegradation: 95.5% Exposure time: 28 d Concentration: 5 mg/l

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. Wrap empty container and put in trash.

14. TRANSPORT INFORMATION

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

DOT:

UN-No.	UN2920
Proper Shipping Name	Corrosive Liquid, Flammable, N.O.S. (Dialkyldimethylammonium chloride, Ethanol)
Hazard Class	8
Packing Group	II
Description	UN2920, Corrosive Liquid, Organic, N.O.S. (Dialkyldimethylammonium chloride, Ethanol), 8, II
Packaging exceptions	When packaged in containers of 5L (1.3 gallons) or less, this product may be shipped under the 49 CFR 173.150 packaging exemption for Limited Quantity
Emergency Response Guide #	153
EmS-No	F-E, S-C
Marine Pollutant	Yes

15. REGULATORY INFORMATION

FIFRA: This product is a US EPA Registered pesticide, EPA Reg. No. 6836-78-86226, 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 swallowed and/or absorbed through the skin.

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	Yes
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.

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.