SAFETY DATA SHEET

Date Issued: 10-31-2015
Supersedes: 05-28-2015

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product Name: **SE66 Disinfectant™**
Product Number: STP660001-C, STP6602QM-C, STP6604HM-C, STP660001-B, STP6602QM-B & STP6604HM-B

Brand: Not applicable

Recommended use: Disinfectant/Sanitizer
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

GHS Label elements, including precautionary statements
Emergency Overview:

Signal word: **DANGER**

Hazard Statements: Causes severe skin burns and eye damage.

Precautionary Statements – Prevention: Do not breathe mist or vapor. Wash face, hands and any exposed 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.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a poison venter/doctor if you feel unwell.
IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

Hazards not otherwise classified (HNOC): None Known.
Other information: May be harmful if swallowed. Harmful to aquatic life with long lasting effects.

Interactions with Other Chemicals: None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Wt-%
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	3 - 7
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	3 - 7
Ethanol	64-17-5	0.5 – 1.5

Balance is water and similar non-hazardous ingredients. No fragrance added.

4. FIRST AID MEASURES

General Advice: Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continued rinsing eye. Call a poison control center or doctor for treatment advice.

Skin Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center of doctor for further treatment advice. give artificial respiration. If breathing is difficult, (trained personnel should) give oxygen. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Self-protection of the first aider: Ensure that medical personnel are aware of the materials involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Most Important Symptoms and Effects: Burning sensation.

Notes to Physician: Product a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum and high pulse pressure.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical, carbon dioxide (CO2), water spray.

Unsuitable extinguishing media: CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical: Thermal decomposition can lead to release of irritating gases and vapors.

Uniform Fire Code Corrosive: Other – Liquid

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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Attention! Corrosive material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from an upwind of spill/leak

Environmental Precautions: Prevent entry into waterways, sewers, basements or confined areas. Should not be released into the environment. Do not allow to enter into soil. Prevent product from entering drains.

Methods for containment and cleaning up: Small spills may be mopped up, flushed away with water or absorbed on some absorbent material (e.g. cloth, fleece) and incinerated. Large spills should be contained; the material then moved into containers and disposed of by approved methods for hazardous wastes.

7. HANDLING AND STORAGE

Handling: Do not get in eyes, on ski, or on clothing. Wear goggles or face shield, rubber gloves and protective clothing. Harmful if swallowed. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling. Handle in accordance with good industrial hygiene and safety practice. Use only with adequate ventilation and in closed systems. Do not eat, drink or smoke when using this product.

Storage: Do not contaminate water, food or feed by storage and disposal. Pesticide Storage: Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store in a tightly closed container in an area inaccessible to children. Store away from incompatible material.

Incompatible Products: Acids, Bases, Oxidizing agent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanol	STEL: 10000 ppm	TWA: 1000ppm TWA:1900 mg/m^3	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m^3

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value
OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health
NIOSH IDLH: *Immediately Dangerous to Life or Health*

Engineering Measures: Ensure adequate ventilation, especially in confined areas.

Eye / Face Protection: Wear goggles or face shield.

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

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Appearance: Liquid
Color: Colorless
Odor: Soapy
Odor Threshold: No information available

Property	Values
pH (Conc.)	6 – 8
Melting / freezing point	No data available
Boiling point /boiling range	> 212°F (100°C
Flash Point	> 208°F (97.8°C)
Evaporation Rate	Estimated slower than ethyl ether.
Flammability	No data available
Lower flammability limit	No data available
Vapor density	Heavier than air
Specific Gravity	0.991
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 normal conditions of use and storage.
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	None under normal conditions.
Conditions to Avoid	Exposure to air or moisture over prolonged periods.
Incompatible Materials	Acids. Oxidizing agents.
Hazardous Decomposition Products	None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact	Causes serious eye damage.
Skin Contact	Causes severe skin burns.
Ingestion	Causes digestive tract burns. Harmful if swallowed.
Inhalation	Not likely, due to the form of the product.

Acute Toxicity (Product):

Dermal, Rabbit: LD50>2000 mg/kg
Oral, Rat: LD50 500 – 5000 mg/kg

Component Information:

Chemical Name / CAS#	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol 64-17-5	= 7060 mg/kg (Rat)	-	=124.7 mg/L (Rat) 4 hr

Information on toxicological effects

Symptoms Erythema (skin redness). Burning. May cause blindness. Coughing and/or wheezing.

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

Sensitization	Not expected to cause skin sensitization.
Mutagenic Effects	No information available.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH< NTP, or OSHA.
Reproductive Toxicity	Not expected to cause reproductive or developmental effects.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Chronic Toxicity	Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attack of pneumonia are common. Gastrointestinal disturbances may also be seen. Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.
Target Organ Effects	Respiratory system. Eyes. Skin. Gastrointestinal tract (GI)
Aspiration Hazard	No information available.

Numerical measures of toxicity Product Information

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

ATEmix (oral):	4,960.00 mg/kg
ATEmix (inhalation-dust/mist):	11,084.40 mg/l

12. ECOLOGICAL INFORMATION

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

Chemical Name / CAS#	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Ethanol 64-17-5		96h LC50: > 100 mg/L (Pimephales promelas) 96h LC50: 13400 - 15100 mg/L (Pimephales promelas) 96h LC50: 12 - 16 ml/L (Oncorhynchus mykiss)	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	48h LC50: 9268 – 14221 mg/L 48h EC50: = 2 mg/L 24 EC50: = 10800 mg/L

Persistence and Degradability: No information available.

Bioaccumulation:

Chemical Name / CAS#	Log Pow
Ethanol 64-17-5	-0.32

Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

DO NOT CONTAMINATE WATER, FOOD OR FEED BY DISPOSAL.

Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse 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. Then offer for recycling or recondition. If not available, puncture and dispose in a sanitary landfill. Replace cap and discard in trash. Offer for recycling if available.

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.

14. TRANSPORT INFORMATION

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

DOT/ TDG/ MEX/ ICAO/ IATA/ IMDG/IMO:

UN-No.	UN1903
Proper Shipping Name	Disinfectants, Liquid, Corrosive, N.O.S. (Quaternary Ammonium Chloride)
Hazard Class	8
Packing Group	III
Description	UN1903, Disinfectants, Liquid, Corrosive, N.O.S. (Quaternary Ammonium Chloride), 8, III
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
Marine Pollutant	Yes

15. REGULATORY INFORMATION

FIFRA: This product is a US EPA Registered pesticide, EPA Reg. No. 1839-86-86226, 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: Causes irreversible eye damage and skin burns.

TSCA: Disinfectants are exempt from TSCA inventory listing.

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

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This product does not contain any substances regulated as hazardous substance under the Comprehensive Environmental Response Compensation and Liability Acct 9CERCLA) CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFT 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Reuglations

California Proposition 65

This product is not subject to the reporting requirements under California's Proposition 65.

U.S. State Right-to-Know Regulations

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

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.