



Patriot #16 – Disinfectant Cleaner Concentrate

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Identification of Preparation: Patriot #16
 Date of Safety Data Sheet: September 12, 2015
 Use of Preparation: Disinfectant Cleaner
 Company Identification: Parkside Professional Products Ltd.
 4777 Kent Avenue
 Niagara Falls, Ontario L2H 1J5
 OFFICE: 905-358-8364

Company Emergency Telephone Number: Emergency Phone: 905-358-8364

Transportation Emergency Telephone Number: CANUTEC 613-996-6666 or * 666 for cell phone

2. HAZARD IDENTIFICATION

Emergency Overview:

OSHA / WHMIS 2015 Hazards

Corrosive

Classification of substance or mixture

GHS-US/Canadian classification:

GHS Hazards

Acute Toxicity Oral 4 H302

Skin Corrosion 1A 1 H314

Serious Eye Damage 1 H318

Label Elements

GHS-US/ Canada Labeling

Hazard Pictograms (GHS):



Signal Word (GHS): Danger!

Hazard Statements (GHS):

H302 – Harmful if swallowed.

H314 – Causes severe skin burns and eye damage.

H318 – Causes serious eye damage.



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Precautionary Statements (GHS-US):

P264: Wash skin thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear face protection, protective clothing, protective gloves, and eye protection.

P301+P312+P330: IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

P501: Dispose of contents / container in accordance with local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend

Ingredient	CAS#	% by Wt	Classification
Benzyl-C12-16-alkldimethyl, chlorides	68424-85-1	1-5	Acute Toxicity Category 4 (Oral) - H302 Skin Corrosion Category 1B – H314
Ethoxylated C12-16 Alcohols	68551-12-2	1-5	Acute Toxicity Category 4 (Oral) - H302 Serious Eye Damage Category 1 – H318
Octyl Decyl Dimethyl Ammonium Chloride	32426-11-2	1-5	Acute Toxicity Category 4 (Oral) - H302 Skin Corrosion Category 1B – H314
Didecyl Dimethyl Ammonium Chloride	7173-51-5	1-5	Acute Toxicity Category 4 (Oral) - H302 Skin Corrosion Category 1B – H314
Diocetyl Dimethyl Ammonium Chloride	5538-94-3	1-5	Flammable Liquids Category 3 – H226 Acute Toxicity Category 4 (Oral) - H302 Skin Corrosion Category 1B – H314
Ethanol	64-17-5	1-5	Flammable Liquids Category 2 – H225
Water	7732-18-5		

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If symptoms persist consult physician.
Eye Contact:	Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Repeat if required. If irritation persists get medical attention.
Skin Contact:	Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.
Ingestion:	Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Get medical aid.
Notes to Physician:	Treatment based on judgment of attending physician.



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5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Flood with water for extinguishing agent. CO ₂ , dry chemical, alcohol resistant foam
Unsuitable extinguishing media:	None known.
Special exposure hazards	Thermal decomposition releases irritating gases.
Special safety equipment:	Self-contained positive pressure breathing apparatus and protective clothing.
Fire and explosion	Not flammable. Not an explosive hazard.
Further information	Keep containers and surrounding cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapour or mist.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately with absorbent and dispose of waste safely.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

Information about fire and explosion protection:

Keep respiratory protective device available.

No special measures required.

Conditions for safe storage, including any incompatibilities:

Storage: Acids, Oxidizers, reducing agents.

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Protect from humidity.

Unsuitable material for receptacle: steel.

Unsuitable material for receptacle: aluminium.

Avoid storage near extreme heat, ignition sources or open flame.



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Information about storage in one common storage facility:

Do not store together with alkaline products or strong acids.

Store away from oxidizing agents.

Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

Keep container tightly sealed.

Specific end use(s) No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hand protection:	Chemical resistant gloves.
Eye protection:	Safety goggles or full face shield.
Skin protection:	Use body-covering impervious clothing.
Working hygiene:	Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

Exposure Guidelines:

Ethanol:	PEL OSHA 1900 mg/m ³ ACGIH STEL 1000 ppm
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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

<u>Property</u>	<u>Values</u>	<u>Odour</u>	<u>Remarks/Method</u>
Physical State	Liquid		
Appearance	Clear.	Odour	Lemon
Colour	Green	Odour Threshold	No data available.
pH	6.20-6.40	Remarks/Method	
Melting/Freezing Point	No data available		
Boiling Point/Range	No data available		
Flash Point	Not applicable.		
Evaporation Rate	Similar		
Flammability (solid, gas)	Not flammable		
Flammability Limit in Air:			
Upper Limit	No data available		
Lower Limit	No data available		
Vapour Pressure	No data available		
Vapour density	No data available		



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Specific Gravity	1.02-1.025 g/cm ³	
Water Solubility	Soluble in water.	None known
Solubility Other Solvents	No data available	None known
Partition Coefficient:		
n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition Temperature	No data available	None known
Kinematic Viscosity	No data available	None known
Dynamic Viscosity	No data available	None known
Explosive Properties	No data available	None known
Oxidizing Properties	No data available	None known

Other Properties:

Softening Point	No data available
VOC Content %	No data available
Particle Size	No data available
Particle Size Distribution	No data available

10. STABILITY AND REACTIVITY

Reactivity	The substance decomposes on heating, on contact with acids and under influence of light producing toxic and corrosive gases including. The substance is a strong oxidant and reacts with combustible and reducing materials.
Chemical stability	Stable under recommended handling and storage conditions (see section 7).
Thermal decomposition/conditions to avoid:	No decomposition if used and stored according to specifications.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	Direct sunlight. Extremely high or low temperatures. Contact with metallic substances.
Hazardous decomposition products	Carbon oxides (CO, CO ₂). Sodium oxides.
Materials to avoid	Metals such as aluminum. Reducing agents. Strong acids.
Hazardous polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: Harmful if swallowed.

LD/LC50 values relevant for classification:

Ethoxylated C12-16 Alcohols CAS# 8551-12-2:

LD50 (Oral, rat): 500 - 2,000 mg/kg



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Octyl Decyl Dimethyl Ammonium Chloride CAS # 32426-11-2 :

LD 50 (Oral , rat): 50-500 mg/kg

LD50 (Dermal, rabbit): >2,000 mg/kg

Didecyl Dimethyl Ammonium Chloride CAS # 7173-51-5 :

LD 50 (Oral , rat): 50-500 mg/kg

LD50 (Dermal, rabbit): >2,000 mg/kg

Diocetyl Dimethyl Ammonium Chloride CAS # 5538-94-3 :

LD 50 (Oral , rat): 50-500 mg/kg

LD50 (Dermal, rabbit): >2,000 mg/kg

On the skin: Causes skin irritation. Symptoms may include pain (which may be delayed), redness, and/or discomfort.

On the eye: Causes serious eye irritation. Symptoms may include pain, redness, and watering.

Ingestion: May be irritating to mouth, throat and stomach. Symptoms may include stomach pain and nausea.

Inhalation: May be irritating to nose, throat, and respiratory tract. Symptoms may include coughing and difficulty breathing.

Sensitization: No known effects.

Additional toxicological information:

Carcinogenicity:

Chemical Name None

12. ECOLOGICAL INFORMATION

Toxicity: Not classified

Persistence and Degradability: Not available

Bioaccumulative Potential: Not available

Mobility in Soil: Not available.

Other Adverse Effects

Other Information: All of the organic components of this product are readily biodegradable.

13. DISPOSAL

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment.



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14. TRANSPORTATION INFORMATION

Canadian T.D.G.: Regulated Material

Proper Shipping Name: Disinfectants, liquid, corrosive N.O.S.

Contains (Benzyl-C12-16-alkldimethyl chlorides)

Hazard Class: 8

ID Number: UN 1903

Packing Group: III



Water Transportation (IMDG): Regulated Material

Proper Shipping Name: Disinfectants, liquid, corrosive N.O.S.

Contains (Benzyl-C12-16-alkldimethyl chlorides)

Hazard Class: 8

ID Number: UN 1903

Packing Group: III



Air Transportation (IATA): Regulated Material

Proper Shipping Name: Disinfectants, liquid, corrosive N.O.S.

Contains (Benzyl-C12-16-alkldimethyl chlorides)

Hazard Class: 8

ID Number: UN 1903

Packing Group: III





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US DOT: Regulated material

Proper Shipping Name: Disinfectants, liquid, corrosive N.O.S.

Contains (Benzyl-C12-16-alkldimethyl chlorides)

Hazard Class: 8

ID Number: UN 1903

Packing Group: III



15. REGULATORY INFORMATION

Occupational Health & Safety Regulations:

WHMIS Classification: Not regulated.

Health Canada DIN regulated.

OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

International Inventories

TSCA	-
DSL/NDSL	-
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	-
PICCS	-
AICS	Complies

Legend:

TSCA - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU 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



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U.S. Federal Regulations

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

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 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 Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

HMIS III Rating

Health : 3 Hazard

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : C

SDS US (GHS HazCom 2012 and WHMIS 2015)



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16. OTHER INFORMATION

Prepared By: Parkside Professional Products Ltd.
4777 Kent Avenue
Niagara Falls, Ontario
L2H 1J5
908-358-8364

Issuing Date: September 12, 2015

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet