



## MATERIAL SAFETY DATA SHEET

MSDS#: FH/C/2006/BCWT-6TCNFS  
 Supersedes: 10/06

Issue Date: 11/06

SECTION I - CHEMICAL PRODUCT	
Identity: <b>Disinfecting Liquid Hard Surface Cleaner</b>	
Brands: <b>Concentrate SPIC AND SPAN Disinfecting All-Purpose Spray and Glass Cleaner</b>	
Hazard Rating: 3	Health: 3 Flammability: 3 Reactivity: 0
	4=EXTREME 3=HIGH 2= MODERATE 1=SLIGHT 0=NOT SIGNIFICANT
Emergency Telephone Number: CHEMTREC (24 hr operator)	1-800-424-9300 U.S. and Canada 1-703-527-3887 for calls originating elsewhere
U.S. Emergency or Customer Service:	1-800-332-7787 (P&G operator) or call Local Poison Control Center

SECTION II - COMPOSITION AND INGREDIENTS					
<b>Ingredients listed on the product label:</b> n-Alkyl (C <sub>14</sub> 60%, C <sub>16</sub> 30%, C <sub>12</sub> 5%, C <sub>18</sub> 5%) dimethyl benzyl ammonium chloride, n-Alkyl (C <sub>12</sub> 68%, C <sub>14</sub> 32%) dimethyl ethylbenzyl ammonium chloride, other ingredients.					
Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.					
<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Recommended Limits</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Ethyl alcohol	Ethanol	64-17-5	ACGIH TLV: 1000 mg/m <sup>3</sup>	10-30%	7.06 g/kg (oral, rat)
2-aminoethanol	(Mono)Ethanolamine	141-43-5	ACGIH TLV: 3 ppm OSHA PEL: 3 mg/m <sup>3</sup> OSHA PEL: 6 ppm (15 min)	3-7%	1.7g/kg (oral, rat)

SECTION III - HAZARDS IDENTIFICATION	
<b>Potential Health Hazards (Acute and Chronic):</b>	
Eye Contact:	<u>Concentrate:</u> Causes eye damage. <u>Diluted for Use per Label Directions:</u> May cause mild irritation.
Skin Contact:	<u>Concentrate:</u> May cause skin burns. <u>Diluted for Use per Label Directions:</u> May cause skin irritation.
Ingestion:	<u>Concentrate:</u> Mucous membrane irritant. May result in mild gastrointestinal irritation with nausea, vomiting and/or diarrhea. Large ingestions may cause temporary dizziness, becoming uncoordinated and headache.
Inhalation:	<u>Concentrate:</u> Mucous membrane irritant.

SECTION IV - FIRST AID INFORMATION	
<b>Emergency and First Aid Procedures:</b>	
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 continue rinsing eye.
Skin Contact:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
Ingestion:	Have a 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. Call a Poison Control Center for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.
Inhalation:	Do not breathe spray mist.
<b>Note to Physician:</b> Probable mucosal damage may contraindicate the use of gastric lavage.	
<b>Other:</b> Product package has a precautionary statement: <b>KEEP OUT OF REACH OF CHILDREN.</b>	
<b>DANGER:</b> Corrosive. Causes irreversible eye damage and skin burns. Harmful if absorbed through skin. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, protective clothing and rubber gloves when handling concentrate. Wash thoroughly with soap and water after handling.	

SECTION V - FIRE FIGHTING INFORMATION			
<b>Flash Point (Method Used):</b> 97°F/36°C (cc)	<b>Explosive Limits:</b>	<i>LEL:</i> N/A	<i>UEL:</i> N/A
<b>Extinguishing Media:</b> CO <sub>2</sub> , water or dry chemical			
<b>Special Fire Fighting Procedures:</b> Use water to keep fire exposed container cool.			
<b>Unusual Fire Hazards:</b> Although this product has a flash below 140°F/60°C, this product will not support sustained combustion when in contact with open flame above the indicated flash point.			

**SECTION VI - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** N/A

**Environmental Precautions:**

Waste Disposal Methods: DISPOSE OF IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Any undiluted waste from this product needs to be handled and treated as a RCRA Ignitable Hazardous Waste in accordance with all compliance guidelines. Collect and place in suitable container and incinerate scrap, try to prevent product from reaching sewer. Solutions created in the course of use, may be able to be flushed down sewer, but first check with your local water treatment plant. Recycling is recommended for undiluted scrap product. Do not landfill.

Container Disposal: Do not reuse empty container. Wrap and put in trash or recycle.

**Steps To Be Taken in Case Large Amounts Material are Released or Spilled:** Use water spray to dilute and/or wash away spills to avoid exposure and to protect persons working to stop/repair leak. Absorb spilled product onto absorbant material.

**SECTION VII - HANDLING AND STORAGE**

**Precautions To Be Taken in Handling and Storing:** Handling and storage must be well ventilated, cool and dry. Store away from potential sources of ignition. Fire fighting equipment must be available at all times.

**Other Precautions:** Do not use or store near heat or open flame.

**SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION**

**Engineering Controls (Ventilation):** In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.

**Personal Protective Equipment (PPE):**

**Eye/Face Protection:** Goggles or face shield required when handling concentrate. None required at use dilution.

**Skin Protection:** Rubber gloves are required when handling concentrate. None required at use dilution.

**Respiratory Protection:** None required with normal use.

**Other Protective Equipment:** None required with normal use. Easily accessible water source is needed.

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance (color, physical form):** Dark blue liquid      **Flash Point (Method Used):** 97°F / 36°C (cc)

**Odor:** Product is perfumed      **Reserve Alkalinity:** N/A

**Odor Threshold:** N/A      **Solubility in Water:** Completely

**Vapor Pressure (mm Hg):** N/A      **Evaporation Rate (nBuOAc=1):** N/K

**Vapor Density (Air=1):** N/A      **Specific Gravity/Density:** 0.94

**Boiling Point:** 175°F / 79°C      **Melting/Freezing Point:** N/A

**Partition Coefficient (n-octanol/water):** N/A      **pH (100% solution):** 10.76

SECTION X - STABILITY AND REACTIVITY
<p><b>Stability:</b> Stable</p> <p><b>Conditions to Avoid:</b> None known</p> <p><b>Materials to Avoid:</b> None known</p> <p><b>Hazardous Decomposition Products:</b> None known</p> <p><b>Possible Hazardous Reactions/Conditions/By Products:</b> None known</p> <p><b>Hazardous Polymerization:</b> Will not occur</p> <p><b>Other Recommendations:</b> None</p>

SECTION XI - TOXICOLOGICAL INFORMATION
<p>LD50 (rats oral): &gt;20 g/kg.</p>

SECTION XII - ECOLOGICAL INFORMATION
<p>N/A.</p>

SECTION XIII - DISPOSAL CONSIDERATIONS
<p><b>Waste Disposal Method:</b> DISPOSAL SHOULD BE IN ACCORDANCE WITH FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Any undiluted waste from this product needs to be handled and treated as a RCRA Ignitable Hazardous Waste in accordance with all compliance guidelines. Collect and place in suitable container and incinerate scrap, try to prevent product from reaching sewer. Solutions created in the course of use, may be able to be flushed down sewer, but first check with your local water treatment plant. Recycling is recommended for undiluted scrap product. Do not landfill.</p>

SECTION XIV - TRANSPORT INFORMATION
<p><b>DOT Classification:</b> This material is regulated by the US Department of Transportation.</p> <p>For finished packaged product transported by ground: <b>ORM-D Consumer commodity.</b></p> <p>For finished packaged product transported by sea: <b>Disinfectants, liquid, corrosive, n.o.s., (monoethanolamine), 8, UN1903, PGIII</b></p> <p>For finished packaged product transported by air: <b>DO NOT SHIP. Finished product packaging does not meet air transport requirements.</b></p>

**SECTION XV - ADDITIONAL REGULATORY INFORMATION**

**EPA Reg. No. 6836-244-3573**

All intentionally-added components of this product are listed on the US TSCA Inventory.  
This product is not subject to warning labeling under California Proposition 65.

Procter & Gamble's importation of this product into Canada is in compliance with all CEPA NSN Regulations.  
This product has been classified with the Hazard Criteria of the Canadian Control Products Regulation (CPR) and this MSDS contains all information required by the Controlled Products Regulation.

**SECTION XVI - OTHER INFORMATION**

\*N/A. - Not Applicable

\*N/K. - Not Known

The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Procter & Gamble assumes no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.