

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

**Product identifier/Trade name:** SANITOL RTU, No rinse sanitizer, ready to use  
**Product code/Internal Identification:** CCC SANR  
**Product use/Description:** Ready to use quaternary sanitizer  
**Supplier identifier:** Chemotec (PM) Inc.  
 8820 Place Ray Lawson  
 Anjou, Québec, Canada H1J 1Z2  
 Phone: (514) 729-6321; 1-800-729-6321  
**Manufacturer identifier:** Chemotec (PM) Inc.  
 8820 Place Ray Lawson  
 Anjou, Québec, Canada H1J 1Z2  
 Phone: (514) 729-6321; 1-800-729-6321  
**Emergency phone number:** (613) 996-6666 (CANUTEC)

**SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredients	CAS #	% (weight)	ACGIH TLV	OSHA PEL
N-alkyl dimethyl ethylbenzyl ammonium chloride	68956-79-6	0-1	None established	None established
N-alkyl dimethyl benzyl ammonium chloride	68391-01-5	0-1	None established	None established

**SECTION 3 - HAZARDS IDENTIFICATION**

**Emergency Overview**

Clear liquid, no odour.

**POTENTIAL HEALTH EFFECTS** (for more details, refer to Section 11)

**Primary entry route(s):** Eye, skin and ingestion.

**Eye:** May cause irritation to eyes.

**Skin:** May cause irritation.

**Inhalation:** No effect expected.

**Ingestion:** Harmful.

**Long-term (chronic) exposure:** See Skin effects above

**Conditions aggravated by exposure:** No applicable information found.

**Carcinogenic status:** See TOXICOLOGICAL INFORMATION, Section 11.

**Additional health hazards:** For further information, see TOXICOLOGICAL INFORMATION, Section 11.

**Potential environmental effects:** See ECOLOGICAL INFORMATION, Section 12.

#### SECTION 4 - FIRST AID MEASURES

**Eye contact:**

Immediately rinse with plenty of water for 15 minutes, keeping eyelids open. If irritation persists, repeat flushing and seek medical attention.

**Skin contact:**

Rinse with water. Remove soiled clothes and wash before wearing.

**Inhalation:**

Bring the person to fresh air. Seek medical attention if discomfort persists.

**Ingestion:**

If conscious, give plenty of water. Never give anything by mouth if the person is unconscious. Do not induce vomiting. Seek immediate medical attention.

#### SECTION 5 - FIRE FIGHTING MEASURES

**Fire hazards/conditions of flammability:**

Not flammable.

**Flash point (Method):** None to boil.

**Lower flammable limit (% by volume):** N/Av

**Upper flammable limit (% by volume):** N/Av.

**Explosion data - Sensitivity to mechanical impact:** Not sensitive

**Explosion data - Sensitivity to static discharge:** Not applicable.

**Auto-ignition temperature:** N/Av

**Suitable extinguishing media:**

Not applicable.

**Special fire-fighting procedures/equipment:**

During a fire, irritating smoke and fumes may be generated including hydrogen chloride a toxic gas. A self-contained breathing apparatus is required for fire-fighting personnel to protect themselves from irritating products produced during the combustion. Move containers from fire area if it can be done without risk. A stream of water directed into the product generates a lot of foam.

**Hazardous combustion products:**

Oxides of carbon and nitrogen and other irritating gases.

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Wear adequate personal protective equipment (See Section 8).

**Spill response/Cleanup:**

Ventilate closed spaces before entering. Wear personal protective equipment. Stop the leak if you can do so without risk. Pump the product into drums for disposal; or clean up spills using absorbent material and place in waste container for destruction. Resume cleaning by rinsing with water.

**Environmental precautions:**

Not applicable.

**Prohibited materials:** N/Av

**Special spill response procedures:** N/Av

## SECTION 7 - HANDLING AND STORAGE

### Safe handling procedures:

Before handling, it is important that protective equipment requirement and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Avoid contact with skin, eyes and clothing. Keep containers closed when not in use. If spilled, floors will be slippery.

### Storage requirements:

Store in a tightly sealed container, in a well ventilated room. Do not store with food products. Keep from freezing.

**Special packaging materials:** N/Av

## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Engineering controls:

A mechanical ventilation system is recommended.

### Respiratory Protection:

Not required under normal applications. In case of prolonged contact, or if engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable approved respiratory protection. Have appropriate equipment available for use in emergencies such as spills or fire.

### Skin protection and other protective equipment:

Use impervious (rubber or neoprene) gloves.

### Eye / face protection:

Wear protective safety glasses if there is possibility of contact with material.

### General hygiene considerations:

**KEEP OUT OF REACH OF CHILDREN.** Avoid contact with eyes. Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material.

**Permissible exposure levels:** For individual ingredient exposure levels, see Section 2.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Physical state, colour and odour:** Clear liquid, no odour.

**Odour threshold:** N/Av

**pH :** 6-8

**Boiling point:** Approximately 100 °C

**Melting/freezing point:** Approximately 0°C

**Vapour pressure:** Approximately 20 mm Hg (water)

**Solubility in water:** Complete.

**Coefficient of oil/water distribution:** N/Av

**Specific gravity or density (water = 1, at 4 °C):** 1.0 g/cm<sup>3</sup> @ 20 °C

**Vapour density:** Approximately 0.6 (water)

**Evaporation rate:** Approximately 0.4 (water)

**% volatile by volume:** Not available

**Viscosity:** < 100 cps @ 25 °C

**SECTION 10 - REACTIVITY AND STABILITY DATA**

**Stability and reactivity:**

Stable at room temperature, in normal handling and storage conditions.

**Polymerisation:** Hazardous polymerization will not occur.

**Conditions to avoid:**

Not applicable

**Materials to avoid:**

Not applicable.

**Hazardous decomposition products:**

Carbon monoxide, carbon dioxide, hydrogen chloride a toxic gas.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Toxicological data:** The calculated LD<sub>50</sub> for this product is greater than 5,000 mg/Kg, oral, rat; our products are not tested on animals.

Ingredient	LD <sub>50</sub> (route, species)	LC <sub>50</sub> # hours (species)
N-alkyl dimethyl benzyl ammonium chloride and	304.5 mg/kg (oral, rat) 930 mg/kg (dermal, rat)	N/Av
N-alkyl dimethyl ethylbenzyl ammonium chloride		

**For more details, refer to Section 3.**

**Carcinogenicity:** No ingredient listed by IARC, ACGIH, NTP and OSHA as a possible carcinogen.

**Teratogenicity, mutagenicity, other reproductive effects:** No applicable information found.

**Skin sensitization:** No applicable information found.

**Respiratory tract sensitization:** No applicable information found.

**Synergistic materials:** No applicable information found.

**Other important hazards:** N/Av

**SECTION 12 - ECOLOGICAL INFORMATION**

**Environmental effects:** Active ingredient readily degrades into 60% carbon dioxide in 13 days.

**Important environmental characteristics:** Bioaccumulation in freshwater fish nor is bioconcentration in aquatic organisms expected to pose a concern because active ingredient has broken down into its' degrades before it reaches the aquatic ecosystems.

**Aquatic toxicity:** Active ingredient (ai) has LC<sub>50</sub> to fish of 280 µg ai/L and for aquatic invertebrates LC50 = 5.9 µg ai/L on an acute exposure basis. Chronic effects were seen in fish at a concentration of 32.2 µg ai/L and a no observable adverse effect concentration (NOAEC) of 4.15 µg ai/L was established for aquatic invertebrates.

**SECTION 13 - WASTE DISPOSAL**

**Handling and storage conditions for disposal:**

Store material for disposal as indicated in Handling and Storage (Section 7).

**Methods of disposal:**

Dispose according to existing federal, provincial and municipal regulations.

**SECTION 14 - TRANSPORTATION INFORMATION**

**Transportation of Dangerous Goods (TDG) in Canada :**

Proper shipping name:	Not Regulated
Class:	N/Ap
Identification number:	N/Ap
Packing group:	N/Ap
Special case:	N/Ap

**SECTION 15 - REGULATORY INFORMATION**

**In Canada**

**WHMIS information:**

Product is regulated according to the Controlled Product Regulation (CPR) in Canada. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

**WHMIS Classification:** D2B – Toxic Materials with other effects

**CEPA information:** Ingredients are listed on the DSL inventory.

**Other information:**

<b>HMIS:</b>	0 Minimal 1 Slight 2 Moderate 3 Serious 4 Severe
<b>Health Hazard:</b>	1
<b>Fire Hazard:</b>	0
<b>Reactivity:</b>	0
<b>Personal Protection:</b>	(See section 8.)
<b>NFPA:</b>	0 Minimal 1 Slight 2 Moderate 3 Serious 4 Severe
<b>Fire Hazard:</b>	0
<b>Reactivity:</b>	0
<b>Specific Hazard:</b>	None

**SECTION 16 - OTHER INFORMATION**

<b>Prepared by:</b>	Chemotec (PM) Inc.
<b>Phone number:</b>	(514) 729-6321
<b>Date:</b>	2014-06-04

**References:**

1. Manufacturer'/suppliers' MSDS.
2. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2006.
3. International Agency for Research on Cancer Monographs, searched 2006.

**Abbreviations:**

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
CEPA	Canadian Environmental Protection Act
cps	Centipoises
DSL	Domestic Substance List
HMIS	Hazardous Material Information System
IARC	International Agency for Research on Cancer
LC	Lethal concentration
LD	Lethal Dosage
N/Av	Not Available
N/Ap	Not Applicable
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
WHMIS	Workplace Hazardous Materials Information System

End of the MSDS