

## SAFETY DATA SHEET

### SECTION 1 - IDENTIFICATION

**Product identifier used on the label:** ServClean Gel Hand Sanitizer

**Other means of Identification:** 29380

**Recommended use of the chemical and restrictions on use:** Hand Sanitizing, Personal domestic.

**Manufacturer/Supplier:**

Charlotte Products Ltd.

**Address:**

2060 Fisher Dr.

Peterborough, On K9J 6X6

**Telephone:** 705-740-2880

**Fax:** 705-745-1239

**24 Hr. Emergency Tel. #:** Infotrac 1-800-535-5053 (North America), 011-1-352-323-3500 (International)

### SECTION 2 - HAZARDS IDENTIFICATION

**Classification of the chemical:**

Flammable Liquids 3

Eye Damage/Irritation 2A

**Label elements:**

**Signal Word:** Danger

**Hazard statement(s)**

H225	Highly Flammable liquid and vapour
H319	Causes serious eye irritation
H350	May cause cancer (Ingestion) Suspected of damaging the unborn child
H361	(Ingestion)
H370	Causes damage to organs

**Precautionary statement(s)**

P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light/equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P260	Do not breathe mist/vapours/spray
P270	Do not eat, drink or smoke when using this product
P312	Call a poison center or doctor/physician if you feel unwell

P321	Specific treatment (see section 4 of SDS)
P332+313	If skin irritation occurs: Get medical advice/attention
P337+313	If eye irritation persists, get medical advice/attention
P362	Take off contaminated clothing and wash before reuse
P370+378	In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction
P403+235	Store in a well-ventilated place. Keep cool
P405	Store locked up
P501	Dispose of contents/container in accordance with local regulation

#### Hazard pictogram(s)



**Other hazards not otherwise classified:** None Known

**Unknown Acute Toxicity:** 0%

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name, Common Name & Synonyms:	CAS #	Concentration %
Ethanol	64-17-5	65-85
Hydrogen Peroxide 3%	7722-84-1	4-5
Glycerine 95%	56-81-5	1.3-2

**\*\* If the chemical name/CAS # is “proprietary” and/or the weight % is shown as a range, this information had been withheld as a trade secret.**

### SECTION 4 - FIRST-AID MEASURES

#### Description of first aid measures:

**If swallowed:** Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

**If inhaled:** Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, call a poison center or doctor/physician.

**Notes to Physician:** Severe poisoning occurs when the blood ethanol level is 0.3-0.5%. Above 0.5% the individual will be comatose, and death can occur. The unabsorbed ethanol should be removed by gastric lavage after intubating the patient to prevent aspiration. Avoid the use of depressant drugs or the excessive administration of fluids. This product contains two ingredients of relatively low toxicity: Hydrogen Peroxide and Glycerine.

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically

### SECTION 5 - FIRE-FIGHTING MEASURES

#### Extinguishing media:

**Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media:** Not determined

**Special hazards arising from the substance or mixture:** None known

**Flammability classification:** Flammable

**Hazardous combustion products:** Carbon oxides, oxides of phosphorus other unidentified organic compounds.

**Special protective equipment and precautions for firefighters:**

**Protective equipment for fire-fighters:** Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

**Special fire-fighting procedures:** Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses. Dike for water control.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

**Methods and material for containment and cleaning up:** Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material. Do not use combustible absorbents, such as sawdust. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.

**Special spill response procedures:** In case of a transportation accident, contact Infotrac 1-800-535-5053 (North America), 011-1-352-323-3500 (International). If a spill/release in the US in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).

## SECTION 7 - HANDLING AND STORAGE

**Precautions for safe handling:** Handle in accordance with good industrial hygiene and safety practice. Use protective equipment recommended in section 8. Avoid contact with eyes or clothing. Do not breathe fumes/gas/vapors/spray.

**Conditions for safe storage:** Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Keep out of reach of children.

**Incompatible materials:** Fluorine, strong oxidizing or reducing agents, bases, metals, sulfur trioxide, phosphorus pentoxide. Do not mix with other chemicals or cleaners.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits:					
		ACGIH		OSHA	
Chemical Name	CAS #	TWA	STEL	PEL	STEL
Ethanol	64-17-5	1000 ppm		1000 ppm	
Hydrogen Peroxide	7722-84-1	1.0 ppm			

Glycerine	56-81-5	10mg/m3			
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### **Exposure controls:**

**Ventilation and engineering measures:** Not required under normal use conditions. Apply technical measures to comply with the occupational exposure limits.

**Respiratory protection:** Not required with normal use. If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134). Advice should be sought from respiratory protection specialists.

**Other protective equipment:** Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

**General hygiene considerations:** Do not breathe vapours or spray mist. Avoid contact with eyes and clothing. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Clear colourless liquid

**Odor:** Typical ethanol odour

**Odor threshold:** No applicable information available

**pH:** 7.0-8.5

**Melting/Freezing point:** No applicable information available

**Initial boiling point and boiling range:** No applicable information available

**Flash point:** No data available

**Flashpoint (Method):** Tag Closed Cup

**Evaporation rate (BuAe = 1):** Similar to water

**Flammability (solid, gas):** Flammable liquids 3

**Lower flammable limit (% by vol.):** 3.3

**Upper flammable limit (% by vol.):** 19.0

**Vapor pressure:** No applicable information available

**Vapor density:** No applicable information available

**Relative density:** No applicable information available

**Solubility in water:** Soluble

**Other solubility(ies):** No applicable information available

**Partition coefficient:** No applicable information available

**Auto ignition temperature:** No applicable information available

**Decomposition temperature:** No applicable information available

**Viscosity:** Slightly viscous.

**Volatile organic Compounds (%VOC's):** No applicable information available

**Other physical/chemical comments:** No applicable information available

## SECTION 10 - STABILITY AND REACTIVITY

**Reactivity:** Not normally reactive

**Chemical stability:** Stable

**Possibility of hazardous reactions:** No hazardous polymerization

**Conditions to avoid:** Keep out of reach of children. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials. Extremely high temperatures. Open flame.

**Incompatible materials:** Strong acids, Strong bases.

**Hazardous decomposition products:** None known. Refer to 'Hazardous Combustion Products' in Section 5

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure:

**Routes of entry - inhalation:** Avoid breathing vapors or mists

**Routes of entry - eye:** Avoid contact with eyes

**Routes of entry - Ingestion:** Do not taste or swallow

### Potential Health Effects:

**Signs and symptoms of short term (acute) exposure:**

**Symptoms:** Please see section 4 of this SDS sheet for symptoms.

**Potential Chronic Health Effects:**

**Mutagenicity:** Not expected to be mutagenic in humans.

**Carcinogenicity:** A4 (Not classified for human or animal.) by ACGIH

**Reproductive effects:** No applicable information available

**Sensitization to material:** No applicable information available

**Specific target organ effects:** Classified Development toxin [PROVEN]. Classified Reproductive system/toxin/female, Reproductive system/toxin/male [POSSIBLE]. It causes damage to the following organs: blood, the reproductive system, liver, upper respiratory tract, skin, central nervous system (CNS).

**Medical conditions aggravated by overexposure:** Pre-existing skin or eye disorders.

**Toxicological data:**

See the following table for individual ingredient acute toxicity data.

Chemical name	CAS #	LD <sub>50</sub> (Oral, rat)	LD <sub>50</sub> (Dermal. Rabbit)	LC <sub>50</sub> (4hr, Inhal., rat)
Ethanol	64-17-5	7060 mg/kg	20000 mg/kg	31623 ppm
Hydrogen Peroxide	7722-84-1			
Glycerine	56-81-5			

\*All empty cells no applicable information available

Other important toxicological hazards: None reported.

**SECTION 12 - ECOLOGICAL INFORMATION**

**Ecotoxicity:** No applicable information available

**Persistence and degradability:** No applicable information available

**Bioaccumulation potential:** No applicable information available.

**Mobility in soil:** No applicable information available.

**Other Adverse Environmental effects:** No applicable information available.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Handling for disposal:** Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8. Empty containers retain residue (liquid and/or vapour) and can be dangerous.

**Methods of disposal:** Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

**RCRA:** If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste UN defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

**SECTION 14 - TRANSPORTATION INFORMATION**

**Special Shipping Information:** Keep from freezing.

**T.D.G. Classification:** UN1987, FLAMMABLE LIQUIDS, N.O.S. (Ethanol Hand Sanitizer), Class 3 PG III

**SECTION 15 - REGULATORY INFORMATION**

**TSCA information:** All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

**Canadian Environmental Protection Act (CEPA) information:** All ingredients listed appear on the Domestic Substances List (DSL).

**SECTION 16 - OTHER INFORMATION**

**Legend:**

**ACGIH:** American Conference of Governmental Industrial Hygienists  
**CAS:** Chemical Abstract Services  
**CERCLA:** Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
**CFR:** Code of Federal Regulations  
**CSA:** Canadian Standards Association  
**DOT:** Department of Transportation  
**ECOTOX:** U.S. EPA Ecotoxicology Database  
**EINECS:** European Inventory of Existing Commercial chemical Substances  
**EPA:** Environmental Protection Agency  
**HSDB:** Hazardous Substances Data Bank  
**IARC:** International Agency for Research on Cancer  
**IUCLID:** International Uniform Chemical Information Database  
**LC:** Lethal Concentration  
**LD:** Lethal Dose  
**NIOSH:** National Institute of Occupational Safety and Health  
**NTP:** National Toxicology Program  
**OECD:** Organization for Economic Co operation and Development  
**OSHA:** Occupational Safety and Health Administration  
**PEL:** Permissible exposure limit  
**RCRA:** Resource Conservation and Recovery Act  
**RTECS:** Registry of Toxic Effects of Chemical Substances  
**SARA:** Superfund Amendments and Reauthorization Act  
**SDS:** Safety Data Sheet Material Safety Data Sheet  
**STEL:** Short Term Exposure Limit  
**TOG:** Canadian Transportation of Dangerous Goods Act & Regulations  
**TLV:** Threshold Limit Values  
**TWA:** Time Weighted Average  
**WHMIS:** Workplace Hazardous Materials Identification System

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**DISCLAIMER**

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of this supplier, it is assumed that users of this material have been fully trained accordingly to the mandatory requirements of GHS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of, or reliance on, any information contained within this form.

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