



**1 – IDENTIFICATION**

IDENTIFIER	HAND SANITIZER PURE
PRODUCT CODE	
RECOMMENDED USE	Hand Sanitizer
RESTRICTIONS ON USE	Keep away from ignition sources and excessive heat.
SUPPLIER / MANUFACTURER	<b>TOTAL FABRICATION</b> 511 Route 289 St-Alexandre-de-Kamouraska, Qc G0L 2G0 418-970-0889
EMERGENCY TELEPHONE	418-970-0889, 9h00 to 17h00, Monday to Friday

**2 – HAZARD IDENTIFICATION**

CLASSIFICATION	Flammable liquid 3 Eye irritation 2A Specific target organ exposure, single exposure; Narcotic effect 3	
LABEL ELEMENTS	 	
SIGNAL WORD	CAUTION	
HAZARD STATEMENT	H226 H319 H336	Flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.
PRECAUTIONARY STATEMENTS – PREVENTION	P210  P233 P240 P241 P242 P243 P280  P261  P271	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust / fume / gas / mist / vapours / spray. Use only outdoors or in a well-ventilated area.
PRECAUTIONARY STATEMENTS – RESPONSE	P303+P361+P353  P370+P378	IF ON SKIN: take off immediately all contaminated clothing. Rinse skin with water (or shower). In case of fire, use alcohol-resistant foam, dry chemical powder, CO2, water spray to extinguish.

	P305+P351+P338  P337+P313 P304+P340  P312	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: Get medical advice/attention. IF INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
PRECAUTIONARY STATEMENTS – STORAGE	P403+P235 P233 P405	Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
PRECAUTIONARY STATEMENTS - ELIMINATION	P501	Dispose contents/containers according to municipal, provincial and federal regulations.
OTHER HAZARDS	Not applicable.	

### 3 – COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	C.A.S.	CONCENTRATION
Ethyl alcohol	64-17-5	45 – 70 *

\* TRADE SECRET STATEMENT: The exact concentration of composition has been withheld as a trade secret.

### 4 – FIRST AID MEASURES

ROUTE OF EXPOSURE	Inhalation, eyes, skin, ingestion
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INHALATION	IF INHALED: remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CONTROL CENTER or physician.
DERMAL	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
OCULAR	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: Get medical advice/attention.
ORAL	NEVER give anything orally if victim is losing consciousness, is unconscious or having convulsions. Rinse mouth with water thoroughly. DO NOT INDUCE VOMITING. Ask victim to drink two glasses of water. If vomiting occurs naturally, lean victim forward to reduce risks of aspiration. Continue to drink water. Obtain medical care.
NOTE TO PHYSICIAN	Specific treatment: Symptoms of ethanol intoxication vary with the alcohol level of the blood. Mild alcohol intoxication occurs at blood levels between 0.05% - 0.15% and approximately 25% of individuals will show signs of intoxication at these levels. Above 0.15% the person is definitely under the influence of ethanol and 50-95% of individuals at this level are clinically intoxicated. 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.

### 5 – FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	In case of fire, use alcohol-resistant foam, dry chemical powder,
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	CO2, water spray to extinguish.
UNSUITABLE EXTINGUISHING MEDIA	Direct water jet may disperse product and spread the fire.
SPECIFIC HAZARDS	Carbon oxides, acrid smoke. Heated containers may burst.
PROTECTIVE EQUIPMENT	Fire-fighters must wear protective equipment and NIOSH approved self-contained breathing apparatus.
PRECAUTIONS	Do not let water run-off reach sewers, ditches or waterways. Use water spray to cool containers.

## 6 – ACCIDENTAL RELEASE MEASURES

PROTECTIVE EQUIPMENT	Wear appropriate respiratory equipment (See Section 8). Avoid direct contact with product. Remove non-essential personnel.
CONTAINMENT AND CLEAN UP	Ventilate spill area. Stop spill if safe to do so. Contain and absorb with an inert absorbing material for future disposal (See Section 13). Prevent spill from entering sewers or waterways. Retain water run-off if applicable. Inform proper authorities if necessary.
ENVIRONMENTAL PRECAUTIONS	Avoid entering sewers, waterways or restricted areas. Eliminate according to municipal, provincial and federal regulations.

## 7 – HANDLING AND STORAGE

HANDLING	Containers must be identified correctly. Handle in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing dust, vapours or mists. Avoid contact with eyes, skin and clothes. Keep containers closed when not in use. Empty containers may contain residues and must be handled as hazardous waste. Maintain good personal hygiene before eating, drinking or smoking. Do not eat, drink or smoke while using the product or in proximity. Wash contaminated clothing before reuse.
STORAGE	Store in a well-ventilated place. Keep cool. Store away from incompatible materials. Keep containers closed.
INCOMPATIBLE MATERIALS	Strong oxidizing agents, acids, alkalis.

## 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	C.A.S.	SOURCE	VALUE
Ethyl alcohol	64-17-5	CNESST OSHA NIOSH NIOSH	TWA 1000 ppm (1880 mg/m3) TWA 1000 ppm (1880 mg/m3) TWA 1000 ppm (1880 mg/m3) IDLH 3300 ppm

ENGINEERING CONTROLS	Use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels to an acceptable level.
RESPIRATORY PROTECTION	Maintain atmospheric concentrations below exposure limits. If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator. In case of spill or leak resulting in unknown concentration, use a NIOSH approved supplied air respirator.

PROTECTIVE EQUIPMENT AND CLOTHING	Wear chemical / impermeable gloves or other protective clothing to prevent repeated or continuous contact with the skin during handling and usage. Wear goggles to prevent mist, vapours or dust to contact eyes. Ensure that eyewash stations, showers and cleaning stations are near to workstation.
OCULAR PROTECTION	Chemical goggles; also wear a face shield if splashing hazard exists.
GENERAL HYGIENE RECOMMENDATIONS	Ensure that eyewash stations and safety showers are proximal to the work-station location. Avoid production of high concentrations of dust, vapours or mists. Avoid contact with skin and eyes. Avoid breathing dust, vapours or mists. Never eat, drink or smoke near workstations. Good hygiene is recommended after using this product. Clean clothing before reuse.

## 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Colourless liquid.
ODOUR	Alcohol.
ODOUR TRESHOLD	Not available.
pH	6.0 – 8.0
MELTING / FREEZING POINT	Not available.
INITIAL BOILING POINT	Not available.
FLASH POINT	25°C
EVAPORATION RATE	Not available.
FLAMMABILITY	Flammable liquid and vapours.
LOWER FLAMMABLE/EXPLOVISE LIMIT	Not available.
UPPER FLAMMABLE/EXPLOSIVE LIMIT	Not available.
VAPOUR PRESSURE	Not available.
VAPOUR DENSITY	Not available.
RELATIVE DENSITY	0.85 – 0.90
SOLUBILITY (in water)	Soluble.
PARTITION COEFFICIENT (n-octanol/water)	Not available.
AUTO-IGNITION TEMPERATURE	Not available.
DECOMPOSITION TEMPERATURE	Not available.
VOC	Not available.
VISCOSITY	Not available.

## 10 – STABILITY AND REACTIVITY

REACTIVITY	Stable under recommended usage.
CHEMICAL STABILITY	Stable under normal usage conditions.
HAZARDOUS REACTIONS	Polymerization will not occur.
CONDITIONS TO AVOID	Open flames, ignition sources, incompatible materials.
INCOMPATIBLE MATERIALS	Strong oxidizing agents, acids, alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon oxides.

ADDITIONAL INFORMATION	None.
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## 11 – TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	
INHALATION	May cause drowsiness or dizziness.
DERMAL	May cause irritation to damaged skin. Cold sensation, itching, pain if open wounds.
OCULAR	Causes severe eye irritation. Redness, pain, tearing.
ORAL	Ingestion not likely during normal usage. May cause nausea, vomiting, abdominal discomfort. May cause ethanol intoxication.
CHRONIC EFFECTS	
INHALATION	No data.
DERMAL	No data.
OCULAR	No data.
ORAL	No data.
ADDITIONAL INFORMATION	
CARCINOGENIC EFFECTS (IARC)	Not classified.
MUTAGENIC EFFECTS	No data.
TERATOGEN EFFECTS	No data.
REPRODUCTION	No data.
SENSIBILISATION	No data.
TARGET ORGANS	No data.
AGGRAVATED CONDITIONS	No data.
SYNERGISTIC SUBSTANCES	No data.

CHEMICAL NAME	C.A.S.	LD50 ORAL mg/kg	LD50 DERMAL mg/kg	LC50 INHALATION
Ethyl alcohol	64-17-5	13700, rat	15800, rabbit	30000 mg/L, 4h, rat

## 12 – ECOLOGICAL INFORMATION

Ethyl alcohol	64-17-5
LC50 > 10000 mg/L, 96h	Oncorhynchus mykiss
LC50 14200 mg/L, 96h	Pimephales promelas
NOEC 9.6 mg/L, 9 days	Daphnia magna
EC50 275 mg/L, 72h	Chlorella vulgaris
EC50 6370 mg/L, 48h	Pseudokirchenriella subcapitata



PERSISTENCE AND DEGRADABILITY	Not available.
BIOACCUMULATIVE POTENTIAL	Not available.

SOIL MOBILITY	Not available.
OTHER ADVERSE EFFECTS	Not available.
ADDITIONAL INFORMATION	Do not let material or fire-fighting water run-off enter sewers or waterways. Obstruct drains and ditches. Affected areas must be cleaned and restored to their original conditions or to the satisfaction of the authorities.

**13 – DISPOSAL CONSIDERATIONS**

DISPOSAL METHOD	Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.
CONTAMINATED PACKAGING	Empty containers should be recycled or disposed of through an approved waste management facility.

**14 – TRANSPORT INFORMATION**

TRANSPORT OF DANGEROUS GOODS (CANADA)				
UN NUMBER	PROPER SHIPPING NAME	CLASS	PACKING GROUP	PLACARD
UN1993	FLAMMABLE LIQUID N.O.S. (Ethyl alcohol)	8	III	
LIMITED QUANTITY: 5 L				
FLASH POINT		25°C		

MARINE POLLUTANT	No.
SPECIAL PRECAUTIONS	Keep away from ignition sources, excessive heat.

**15 – REGULATORY INFORMATION**

CANADA	
CEPA	All components of this product are either listed or exempt from listing on the Domestic substances List (DSL).
USA	
TSCA	All components of this product are either listed or exempt from listing on the Toxic Substances Control Act (TSCA) Inventory.

**16 – OTHER INFORMATION**

VERSION	1.0
DATE	September 25 <sup>th</sup> 2021
PREPARED BY	LABORATOIRE CAMPEAU INC. 61 des Menuisiers, local 106

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ABBREVIATIONS	ABBREVIATIONS
ACGIH AIHA CAS CEPA CIRC CL / LC DL / LD CE / EC IARC LCPE LES/NDSL LIS/DSL NIOSH NTP OSHA PEL SIMDUT STEL STOT TCOC TLV TSCA TWA USEPA VECD VEMP WHMIS	American Conference of Governmental Industrial Hygienists American Industrial Hygiene Association Chemical Abstract Service Canadian Environmental Protection Act Centre International pour la Recherche sur le Cancer Concentration létale /Lethal concentration Dose létale / Lethal dose Concentration efficace / Effective concentration International Agency for Research on Cancer Loi Canadienne sur la Protection de l'Environnement Liste extérieure des substances / Non domestic substances list Liste intérieure des substances / Domestic substances list National Institute for Occupational Safety and Health National Toxicology Program (U.S.A.) Occupational Safety and Health Administration (U.S.A.) Permissible Exposure Limit Système d'information sur les matières dangereuses utilisées au travail Short-term Exposure Limit Specific target organ toxicity Toxicité pour certains organes cibles Threshold Limit Value Toxic Substances Control Act Time Weighted Average United States Environmental Protection Agency Valeur exposition courte durée Valeur exposition moyenne pondérée Workplace Hazardous Materials Information System
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