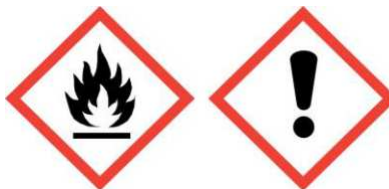


**PRODUCT: MEDLEE Hand Sanitizer****CODE: 4354****SECTION 01: IDENTIFICATION**

Supplier identifier..... Medlee  
 121 King St. W.  
 Toronto, Ontario  
 Canada M5H3T9  
 647-298-6109

Product identifier..... MEDLEE HAND SANITIZER (Ethanol Food Grade)  
 Product code..... 4354  
 Emergency telephone number..... CANUTEC 24-hour number (613-996-6666).  
 Product use..... Hand Sanitizer

**SECTION 02: HAZARD IDENTIFICATION**

According to Hazardous Products  
 Regulations (HPR) (SOR/2015-17)

Hazard classification..... Flammable Liquids - Category 3. Eye Irritation - Category 2A.  
 Signal word..... DANGER.  
 Hazard statement..... H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation.  
 Precautionary statements..... P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
 No smoking. P233 Keep container tightly closed. P280 Wear eye protection. P370+P378:  
 In case of fire: Use water to extinguish. P305+P351+P338 IF IN EYES: Rinse cautiously  
 with water for several minutes. Remove contact lenses, if present and easy to do. Continue  
 rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P403+P235  
 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/container to an  
 approved waste disposal plant.

Other hazards..... None.

**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Ethyl Alcohol	0000064-17-5	70

**SECTION 04: FIRST-AID MEASURES**

Routes of exposure

Inhalation..... Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 If symptoms persist, obtain medical attention.

Ingestion..... Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical  
 attention if necessary. Never give anything by mouth to an unconscious person.

Skin contact..... Rinse skin thoroughly with plenty of water. If irritation develops, get medical aid.

Eye contact..... Promptly flush with large amounts of cold water for at least 15 minutes. If irritation persists,  
 consult a physician.

Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see  
 section 2) and/or in section 11.

Medical attention and special treatment.... Treat symptomatically. Symptoms may be delayed.

**SECTION 05: FIRE-FIGHTING MEASURES**

Extinguishing media..... Use water spray or fog, foam, carbon dioxide or dry chemical. Do not use water jet as  
 an extinguisher, as this will spread the fire.

Hazardous combustion products..... Carbon oxides.

Special protective equipment and precautions Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.  
 Move containers from fire area if this can be done without risk. Use water spray to keep  
 fire-exposed containers cool. Containers may explode when heated .

Sensitivity to static discharge..... Expected to be sensitive. Take precautionary measures against static discharge.

Sensitivity to mechanical impact..... Product is not sensitive to mechanical impact.

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**SECTION 05: FIRE-FIGHTING MEASURES**

Further information..... Closed containers may explode when exposed to extreme heat. Contaminated extinguishing water must be disposed of in accordance with official regulations. Vapors are heavier than air and may flow along surfaces to remote ignition sources and flash back . In a fire or if heated, a pressure increase will occur and the container may burst.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures Wear protective equipment: goggles, chemically resistant clothing and gloves, and appropriate respirator if in a confined area. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8). ELIMINATE all ignition sources (no smokes, flares, sparks or flames in immediate area).  
 Environmental precautions..... Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.  
 Methods and materials for containment and cleaning up Contain and absorb spilled liquid with non combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal. Flush with water. Do not flush into surface water or sanitary sewer system. Do not place into containers where ignition sources such as cigarettes or other ignition sources may be discarded. Contaminated absorbent material may pose the same hazards as the spilled product.

**SECTION 07: HANDLING AND STORAGE**

Handling precautions..... Use only with adequate ventilation. Avoid contact with eyes. Avoid breathing vapors. Do not smoke when handling. Keep container closed when not in use. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools.  
 Storage needs..... Keep in a dry, cool and well-ventilated place. Keep away from sources of ignition - No Smoking. Keep away from incompatible materials.  
 Materials to avoid..... Keep away from oxidizing agents.

**SECTION 08: EXPOSURE CONTROLS | PERSONAL PROTECTION**

INGREDIENTS	ACGIH			OSHA		OSHA Tables (Z1, Z2, Z3)
	STEL	Carcinogen	TLV Basis	TWA	TWA	
Ethyl Alcohol	1000ppm	A3	URT irr	1900 mg/m3	1000 ppm	1
Engineering controls.....	Good general ventilation (typically 10 air changes per hour) should be used .					
Individual protection measures						
Eye/type.....	Safety glasses with side-shields.					
Gloves/type.....	None required under normal conditions of use .					
Respiratory/type.....	Generally not required. Wear respiratory protection if ventilation is inadequate.					
Clothing/type.....	If splashing is possible, wear chemically resistant protective clothing.					
Footwear/type .....	Suitable protective footwear.					
Hygiene measures.....	Not required.					

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance..... Slightly hazy gel  
 Density..... 7.42203 lb/gal  
 Odour..... alcohol.  
 Odour threshold..... not applicable.  
 pH..... 7.5-8.5  
 Melting point (°C)..... not available.  
 Freezing point (°C)..... not available.  
 Initial boiling point (°C)..... not available.  
 Flash point (°C), Method..... 24 °C.  
 Evaporation rate..... not available.  
 Upper flammability limit (% vol)..... not available.  
 Lower flammability limit (% vol)..... not available.  
 Vapour pressure (mm Hg)..... not available.  
 Vapour density (air=1)..... not available.  
 Relative density/Specific Gravity..... 0.8910  
 Water solubility..... not available.  
 Solubility in other solvents..... not available.  
 Partition coefficient - n-octanol/water..... not available.  
 Auto ignition temperature (°C)..... not available.  
 Thermal decomposition temperature..... thick liquid.  
 Viscosity..... 120 cPs

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**SECTION 10: STABILITY AND REACTIVITY**

Reactivity.....	No hazardous reactions if stored and handled as prescribed/indicated.
Chemical stability.....	The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions.....	No hazardous reactions when stored and handled according to instructions. The product is chemically stable.
Conditions to avoid.....	Avoid heat and open flame. Exposure to sunlight. Do not mix with other chemicals. Keep away from heat. Keep away from sources of ignition. Keep away from incompatibles such as oxidizing agents.
Incompatible materials.....	Strong oxidizing agents.
Hazardous decomposition products.....	No hazardous decomposition products if stored and handled as prescribed/indicated.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
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Ethyl Alcohol	39 g/m3 (inhalation-rat, 4h)	7060 mg/kg (oral-rat)
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Routes of exposure	
Inhalation.....	High concentrations of vapors may be irritating to the respiratory tract. May cause headaches, dizziness, nausea and vomiting.
Ingestion.....	Ingestion of this product may cause nausea, vomiting and diarrhea.
Skin contact.....	Prolonged or repeated contact may dry skin and cause irritation.
Eye contact.....	Contact may cause eyes irritation.
Acute effects	
Acute oral toxicity.....	Acute toxicity estimate > 5,000 mg/kg. Method: calculation method.
Acute dermal toxicity.....	Acute toxicity estimate > 5,000 mg/kg. Method: calculation method.
Acute inhalation toxicity.....	Acute toxicity estimate : > 20 mg/l. Exposure time: 4 h. Inhalation can irritate the nose, throat and lungs. Method: calculation method.
Skin corrosion/irritation.....	Non-irritant.
Serious eye damage/eye irritation.....	Result: Serious eye irritation.
Respiratory or skin sensitisation.....	Non-sensitizing.
Specific target organ toxicity (STOT) ..... single exposure	Based on the available information there is no specific target organ toxicity to be expected after a single exposure.
Aspiration hazard.....	No aspiration hazard expected.
Chronic toxicity/effects	
Specific target organ toxicity (STOT) ..... repeated exposure	No known significant effects or critical hazards.
Carcinogenicity.....	No carcinogenic substances as defined by IARC, NTP, OSHA and/or ACGIH.
Reproductive toxicity.....	No known significant effects or critical hazards.
Germ Cell Mutagenicity.....	No known significant effects or critical hazards.
Remarks.....	The product has not been tested. The statement has been derived from the properties of the individual components.
Symptoms of Exposure.....	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity.....	S gairdneri: 13.0g/l (96hr LC50) Nauplii : 858 g/l (48hr EC50) Ceriodaphnia dubia : 9.6mg/l (10 day NOEC) Freshwater Fish 250mg/l. (NOEC) Reference: REACH registration Dossier.
Persistence and degradability.....	Readily biodegradable. Half-life in air = 38
Bioaccumulative potential.....	Substance has a low potential for bioaccumulation (log Kow3).
Mobility in soil.....	No data available.
Other adverse effects.....	No data available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

## Disposal methods

Waste disposal of substance	Dispose of in accordance with national, state and local regulations.
Container disposal .....	Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

**SECTION 14: TRANSPORT INFORMATION**

TDG classification.....	UN1987, Ethanol solution, Class 3, PGIII.
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**SECTION 15: REGULATORY INFORMATION**

WHMIS regulatory status.....

This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015). This product is WHMIS 2015 controlled.

**SECTION 16: OTHER INFORMATION**

Disclaimer.....

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

Prepared by: .....

CanChem Consultant

Preparation date.....

2020-05-06