


SANIVID™ LIQUID SPRAY

Version 1.0

SDS Number: 7000000874

Revision Date: 03/03/2020

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Bulk Liquid Hand Sanitizer

Manufacturer or supplier's details

Company name of supplier : SaniVid™

Address : 637 The Queensway, Peterborough, ON, K9J 7J6

Telephone : 1 (705) 740-0221

Emergency Telephone : 1 (705) 917-2665

Recommended Use of the chemical and restrictions on use

Recommended use : Hand Sanitizer

Restrictions on use : This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

SECTION 2: HAZARDS IDENTIFICATION
Emergency Overview

Physical State	liquid
Colour	translucent, colourless, slight cloudiness
Odour	eucalyptus orange blossom

GHS Classification

Flammable Liquids : Category 3

Eye Irritation : Category 2A

GHS label elements


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Hazard Pictograms

:



Signal word

:

Warning

Hazard statements

:

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary statements

:

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P280 Wear eye protection/ face protection.

Response:

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.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage: P403 + P235 Store in a well-ventilated place. Keep cool.**Disposal:** P501 Dispose of contents/ container to an approved waste disposal plant.**Potential Health Effects**

Primary Routes of Entry

:

Inhalation
Eye Contact
Skin Contact

Aggravated Medical Condition

:

None known.

Carcinogenicity:
IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

SECTION 3. COMPOSITION/ INFORMATION ON INGREDIENTS
Hazardous components

Chemical name	CAS-No.	Concentration (%)
Ethyl Alcohol	64-17-5	>= 60 - < 70



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SECTION 4. FIRST AID MEASURES

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
- If inhaled : If inhaled, remove to fresh air. If symptoms persist, call a physician.
- In case of skin contact : Wash with water and soap as a precaution. Get medical attention if irritation develops and persists.
- In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Seek medical advice.
- If swallowed : If swallowed, DO NOT induce vomiting. Rinse mouth with water. Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : Causes serious eye irritation.
- Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire. Flash back possible over considerable distance. May form explosive mixtures in air. Carbon oxides
- Hazardous combustion products : Carbon oxides
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- :



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- : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Material can create slippery conditions.
- Environmental precautions : Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapours/mists with a water spray jet. Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : For personal protection see section 8. Keep away from heat. Use with local exhaust ventilation. Avoid contact with eyes.
- Conditions for safe storage : Take measures to prevent the build up of electrostatic charge. Keep in properly labelled containers. Keep containers tightly closed in a dry, cool and wellventilated place. Store in accordance with the particular national regulations.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

COMPONENTS	CAS-No.	Value type (form of exposure)	Control parameters / Permissible concentration	Basis
Ethyl Alcohol	64-17-5	TWA	1,000 ppm 1,880 mg/m3	CA AB OEL
		STEL	1,000 ppm	CA BC OEL
		TWAEV	1,000 ppm 1880 mg/m3	CA QC OEL



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Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand Protection Remarks : No special protective equipment required.
- Eye Protection : Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection : No special measures necessary provided product is used correctly
- Protective measures : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Ensure that eye flushing systems and safety showers are located close to the working place.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : clear, colourless, cloudy
- Odour : Eucalyptus orange blossom
- Odour Threshold : No data available
- pH : 6.0-9.2 (20 °C)
- Melting point/freezing point : No data available
- Initial boiling point and boiling range : No data available
- Flash point : 25 °C
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available



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Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Density	:	0.8933g/cm ³
Solubility(ies) water solubility	:	soluble
Partition coefficient: n-octanol/ water	:	No data available
Auto-ignition temperature	:	The substance or picture is not classified self-reactive.
Viscosity, kinematic	:	1000 - 35000 mm ² /s (20 °C)
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Vapours may form explosive mixture with air.
Conditions to avoid	:	Heat, flames and sparks
incompatible materials	:	Strong oxidizing agents Flammable solids Self-reactive substances and mixtures water-reactive substances

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	:	Inhalation Eye contact Skin contact
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Acute toxicity

Not classified based on available information



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Components:

Ethyl Alcohol:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
 Acute inhalation toxicity : LC50 (Rat): 124.7 mg/l
 Exposure time: 4h
 Test atmosphere: Vapour

Skin corrosion/irritation

not classified based on available information.

Components:

Ethyl Alcohol:

Species: Rabbit
 Result: Irritation to eyes, reversing within 21 days
 Method: OECD Test Guidelines 405

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information. Respiratory sensitisation: Not classified based on available information.

Components:

Ethyl Alcohol:

Test Type: Local lymph node assay (LLNA)
 Exposure routes: Skin contact
 Species: Mouse
 Result: negative

Germ cell mutagenicity

Not classified based on available information.

Components:

Ethyl Alcohol:

Geonotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test Result: negative
 Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ cell) (in vivo)
 Test species: Mouse
 Application Route: Ingestion
 Result: negative

Carcinogenicity and Reproductive toxicity

Not classified based on available information.



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Components:

Ethyl Alcohol:

Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Mouse
 Application Route: Ingestion
 Method: OECD Test Guideline 416
 Result: negative

Effects on foetal development : Test Type: Embryo-foetal development Species: Rat
 Application Route: Ingestion
 Result: negative

STOTT - single exposure

not classified based on available information

STOTT - repeated exposure

not classified based on available information

Repeated dose toxicity

Components:

Ethyl Alcohol:

Species: Rat
 NOAEL: 2,400 mg/kg
 Application Route: Ingestion
 Exposure time: 2 y

Aspiration toxicity

not classified based on available information

SECTION 12: ECOLOGICAL INFORMATION

Components:

Ethyl Alcohol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l
 Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l
 Exposure time: 48 h

Toxicity to algae : EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l
 Exposure time: 72 h
 Method: OECD Test Guideline 201



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Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : : NOEC (Daphnia magna (Water flea)): 9.6 mg/l Exposure time: 9 d

Toxicity to bacteria : : EC50 (Photobacterium phosphoreum): 32.1 mg/l Exposure time: 0.25 h

Persistence and degradability

Components:

Ethyl Alcohol:

Biodegradability : : Result: Readily biodegradable. Biodegradation: 84 % Exposure time: 20 d

Bioaccumulative potential

Components:

Ethyl Alcohol:

Partition coefficient: n-octanol/ water : : log Pow: -0.35

Mobility in soil

No data available

other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods

waste from residues : : Dispose of in accordance with local regulations

Contaminated packaging : : Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.



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SECTION 14: TRANSPORT INFORMATION

Internal Regulation

IATA-DGR

UN/ID No. : UN 1987
 Proper shipping name : Alcohols, n.o.s.
 (Ethanol)
 Class : 3
 Packing group : III
 Packing instruction (cargo aircraft) : 366
 Packing instruction (passenger aircraft) : 355

IMDG-Code

UN number : UN 1987
 Proper shipping name : Alcohol, N.O.S.
 (Ethanol)
 Class : 3
 Packing group : III
 Labels : 3
 EmS Code : F-E, S-D
 Marine Pollutant : no

National Regulations

TDG

UN number : UN 1987
 Proper shipping name : ALCOHOL, N.O.S.
 (Ethanol)
 Class : 3
 Packing group : III
 Labels : 3
 ERG Code : 127
 Marine Pollutant : no

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SECTION 15. REGULATORY INFORMATION

WHIMIS Classification : B2: Flammable liquid
D2B: Toxic Material Causing other Toxic Effects

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory
AICS : On the inventory, or in compliance with the inventory
DSL : On the inventory, or in compliance with the inventory
ENCS : On the inventory, or in compliance with the inventory
ISHL : On the inventory, or in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory
PICCS : On the inventory, or in compliance with the inventory
IECSC : On the inventory, or in compliance with the inventory
NZIoC : On the inventory, or in compliance with the inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION

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. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.