

SANIHEALTH LABS INC.

Ethyl Alcohol 70% Hand Sanitizer Gel

Safety Data Sheet

Version 1

Date: Oct 27, 2023

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Manufacturer or supplier's details

Company name of Supplier : Sanihealth Labs Inc.
Address : 2 – 75 Hempstead Drive
: Hamilton, ON L8W-2Y6
Telephone : 905-540-4315
Emergency telephone number: 416-569-7719

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



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.
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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical name	CAS-No	Concentration (% v/v)
Ethyl alcohol	64-17-5	>60 - =70

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.
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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	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.

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 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 well ventilated 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/m ³	CA AB OEL
		STEL	1,000 ppm	CA BC OEL
		TWAEV	1,000 ppm 1,880 mg/m ³	OEL
		STEL	1,000 ppm	ACGIH

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	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, light yellow
Odour	Neutral Odour
Threshold	No data available
pH	6.0 - 9.2, (20 °C)
Melting point	No data available
Freezing point	No data available
Initial boiling point	No data available
Boiling range	No data available
Flash point	25.00 °C
Evaporation rate	No data available
Flammability(solid, gas)	Not applicable
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapour pressure	No data available
Relative vapour density	No data available
Density	0.8933 g/cm ³
Solubility(ies)	
Water solubility	soluble
Partition coefficient noctanol/water	Not applicable
Auto-ignition temperature	No data available
Thermal	The substance or mixture is not classified self-reactive.

decomposition

Viscosity

Viscosity, kinematic 1000 - 35000 mm²/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 Strong oxidizing agents

Materials 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

Acute toxicity

Not classified based on available information.

Components

Ethyl Alcohol

Acute oral toxicity LD50 (Rat): > 5,000 mg/kg

Acute inhalation LC50 (Rat): 124.7 mg/l Exposure time: 4 h

Test atmosphere: vapour

Skin corrosion/irritation

Not classified based on available information.

Components

Ethyl Alcohol:

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

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:**

Genotoxicity 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

Not classified based on available information

Reproductive toxicity

Not classified based on available information

Components:**Ethyl alcohol**

Effects on fertility

Test type: two generation reproduction toxicity study

Species: rat

Application route: ingestion

Result: negative

STOT – single exposure

Not classified based on available information

Repeated dose toxicity

Components:

Ethyl alcohol:

Species: rat
NOAEL: 2,400ppm
Application route: ingestion
Exposure time: 2 y

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

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
Toxicity to algae	EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
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:	Result: Readily biodegradable
Biodegradability	Biodegradation: 84 % Exposure time: 20 d

Bioaccumulative potential

Components:

Ethyl Alcohol:

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

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

SECTION 14. TRANSPORT INFORMATION

International Regulation

IATA-DGR

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

IMDG-Code

UN number	UN 1987
Proper shipping name	ALCOHOLS, N.O.S. (ethanol)
Class	3
Packaging group	III
Labels	3
EmS Code	F-E, S-D
Marine pollutant	no

National Regulations

UN number	UN 1987
Proper shipping name	ALCOHOLS, N.O.S. (ethanol)
Class	3
Packaging group	III
Labels	3
ERG Code	127
Marine pollutant	no

SECTION 15. REGULATORY INFORMATION

WHMIS Classification B2: Flammable liquid
D2B: Toxic Material Causing Other Toxic Effects

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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

DSL (Canada)

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.