Material Safety Data Sheet

Hand Sanitizing Wipes 80% Ethanol

Version 1 Date: June 10, 2024

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Name of Product	**:**	Sanihealth Labs 80% Ethanol Hand Sanitizing Wipes
NPN#	:	80129362

Manufacturer or supplier's details

Company name of Supplier	:	Sanihealth Labs Inc.
Address	:	75 Hempstead Dr Unit 2
	:	Hamilton. ON L8W 2Y6
Telephone	:	416-569-7719
Emergency telephone number:		416-569-7719/416-843-6177

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:
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Use only non-sparking tools.
Take precautionary measures against static discharge.

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

Storage:
Store at room temperature

Disposal:
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 (% v/v)
Ethyl alcohol	64-17-5	80

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	Product has been designed for skin contact and is safe for occasional and personal domestic use 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

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	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Remove all sources of ignition.
Environmental	Discharge into the environment must be avoided. Prevent further leakage 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 material. materials for Keep in containment and objects cleaning up	Non-sparking tools should be used. Soak up with inert absorbent Suppress (knock down) gases/vapours/mists with a water spray jet. suitable, closed containers for disposal. Clean contaminated floors and thoroughly while observing environmental regulations.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	For personal protection see section 8. Keep away from heat. local Avoid contact with eyes.
Conditions for safe properly storage	Take measures to prevent the build up of electrostatic charge. Keep in 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/m3	CA AB OEL
		STEL	1,000 ppm	CA BC OEL
		TWAEV	1,000 ppm 1,880 mg/m3	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	Use caution around the eyes to prevent entry to the eye area
Skin and body	No special measures necessary provided product is used correctly.
Protective measures	Ensure that eye flushing systems 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	Saturated solid (wipes) with clear liquid content
Colour	clear, colourless
Odour	characteristic
Threshold	No data available
pH	6.4 – 7.5, (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	15.00 °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	0.84 g/cm3
Solubility(ies)	
Water solubility	soluble
Partition coefficient noctanol/water	Not applicable
Auto-ignition temperature	No data available
Thermal decomposition	The substance or mixture is not classified self-reactive.
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

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 mammaliam 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 n- octanol/water: NA

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 3175
Proper shipping name	Alcohols, n.o.s. (ethanol)
Class	3
Packaging group	II
Packaging instruction (cargo aircraft)	366
Packaging instruction (passenger aircraft)	355

IMDG-Code

UN number	UN 3175
Proper shipping name	ALCOHOLS, N.O.S. (ethanol)
Class	3
Packaging group	II

Labels	3
EmS Code	F-E, S-D
Marine pollutant	no

National Regulations

UN number	UN 3175
Proper shipping name	ALCOHOLS, N.O.S. (ethanol)
Class	3
Packaging group	II
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.