



SAFETY DATA SHEET

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product ID: EZKLEENWHO1

Product Name: Happy Hands - Sanitizing Hand Wipes

Revision Date: Mar 20, 2020 **Date Printed:** Apr 06, 2020

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Manufacturer's Name: Dimachem Inc

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Product/Recommended Uses: Hand sanitizer

SECTION 2) HAZARDS IDENTIFICATION

Classification

Eye Irritation - Category 2A

Flammable Liquids - Category 3

Pictograms



Signal Word

Warning

Hazardous Statements - Health

Causes serious eye irritation

Hazardous Statements - Physical

Flammable liquid and vapor

Precautionary Statements - General

If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use.

Do not use on children/infants less than 2 years of age (unless directed by a doctor/physician/health care practitioner/health care professional).

Precautionary Statements - Prevention

Keep away from open flames and sources of heat.

Ground/bond container and receiving equipment. Use only non-sparking tools.

For external use only.

Precautionary Statements - 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.

IF SWALLOWED: Immediately call a POISON CENTER or doctor.

In case of fire: Use carbon-dioxide, alcohol foam, water spray or dry chemical to extinguish.

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal

Dispose of contents and container in accordance with local, national and international regulation.

Physical and Health Hazards Not Otherwise Classified (HNOC)

None.

SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0000064-17-5	ETHYL ALCOHOL	65% - 85%
0007722-84-1	HYDROGEN PEROXIDE	0.1% - 1.0%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing. If unwell, exposed or concerned: Get medical advice/attention.

Skin Contact

If irritation occurs rinse with soap and water.

Eye Contact

Immediately flush eyes with plenty of cool, clean water for at least 20 minutes, while holding eyelids open. Remove contact lenses if present. If eye irritation persists: get medical advice/attention.

Ingestion

Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTRE/doctor.

Most Important Symptoms/Effects, Acute and Delayed

Causes serious eye irritation.

Indication of Immediate Medical Attention and Special Treatment Needed

Treat symptomatically.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical, foam, carbon dioxide water spray or fog is recommended.

Unsuitable Extinguishing Media

Do not use straight stream of water.

Specific Hazards in Case of Fire

Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

Fire-Fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out. Cool containers with flooding quantities of water until well after fire is out. Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

Special Protective Actions

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

ELIMINATE all ignition sources (no smokes, flares, sparks or flames in immediate area). Do not touch or walk through spilled material. Ventilate closed spaces before entering. Evacuate and isolate hazard area and keep unauthorized personnel away. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur. Stay uphill and/or upstream. All equipment used when handling the product must be grounded.

Recommended Equipment

Wear chemical protective clothing.

Personal Precautions

Wear appropriate protective equipment. Restrict access to unprotected personnel. Do not get in eyes.

Environmental Precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers. Dike far ahead of liquid spill for later disposal. This product may be toxic to fish. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and Materials for Containment and Cleaning up

Isolate hazard area and restrict access. Stop leak only if safe to do so. Remove ignition sources and work with non-sparking tools. Contain and collect spilled materials with non-combustible, absorbent material and place in a container for disposal according to local regulations. Dispose via a licensed waster disposal contractor.

SECTION 7) HANDLING AND STORAGE

General

Do not get in eyes.

Ventilation Requirements

The use of local ventilation is recommended to control emissions near the source.

Storage Room Requirements

Store flammable and combustible liquids in areas that are cool, dry and well ventilated to reduce vapour concentrations. Keep away from incompatible materials (e.g. oxidizers). Keep containers tightly closed when not in use. Take precautionary measures against electrostatic discharge.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection

Safety glasses/goggles are recommended where risk of splashing exists.

Skin protection

Not required under normal conditions of use.

Respiratory protection

Not required under normal conditions of use.

Appropriate Engineering Controls

General ventilation.

Chemical Name	ACGIH TWA (mg/m3)	ACGIH TWA (ppm)	ACGIH STEL (mg/m3)	ACGIH STEL (ppm)	ACGIH Carcinogen	ACGIH Notations	ACGIH TLV Basis	CAN_ONtmg
ETHYL ALCOHOL				1000	A3	A3	URT irr	
HYDROGEN PEROXIDE		1			A3	A3	Eye, URT & skin irr	

Chemical Name	CAN_ONtppm	CAN_ONsmg	CAN_ONsppm	OSHA TWA (mg/m3)	OSHA TWA (ppm)	OSHA STEL (mg/m3)	OSHA STEL (ppm)	OSHA Carcinogen
ETHYL ALCOHOL				1900	1000			
HYDROGEN PEROXIDE				1.4	1			

Chemical Name	OSHA Skin designation	OSHA Tables (Z1, Z2, Z3)
ETHYL ALCOHOL		1
HYDROGEN PEROXIDE		1

A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, irr - Irritation, URT - Upper respiratory tract

The information in this Section does not list non-hazardous components that might have relevant OSHA Tables (Z1, Z2, Z3), OSHA TWA (mg/m3) regulatory values, if they are present at less than 2%. Please contact manufacturer for more information.

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density	6.94155 lb/gal
Specific Gravity	0.83178
% Solids By Weight	0.00000%
% VOC	0.00000%

Appearance	Clear colourless liquid
Odor Threshold	N/A
Odor Description	Alcohol
pH	6 - 8
Water Solubility	N/A
Flammability	N/A
Flash Point Symbol	N/A
Flash Point	N/A
Viscosity	N/A
Lower Explosion Level	N/A
Upper Explosion Level	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Freezing Point	N/A
Melting Point	N/A
Low Boiling Point	N/A
High Boiling Point	N/A
Auto Ignition Temp	N/A
Decomposition Pt	N/A
Evaporation Rate	N/A
Coefficient Water/Oil	N/A

SECTION 10) STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to Avoid

Keep away from flame, spark, extreme temperatures and contact with incompatible materials.

Hazardous Polymerization/Reactions

Vapors may form explosive mixtures with air.

Incompatible Materials

Strong oxidising agents

Hazardous Decomposition Products

None known.

SECTION 11) TOXICOLOGICAL INFORMATION

Likely Route of Exposure

Inhalation, ingestion, skin contact, eye contact

Aspiration Hazard

No data available.

Carcinogenicity

No data available.

Germ Cell Mutagenicity

No data available.

Reproductive Toxicity

No data available.

Respiratory/Skin Sensitization

No data available.

Serious Eye Damage/Irritation

Causes serious eye irritation

0007722-84-1 HYDROGEN PEROXIDE

Corrosive to the eye.

Skin Corrosion/Irritation

No data available.

Specific Target Organ Toxicity - Repeated Exposure

No data available.

Specific Target Organ Toxicity - Single Exposure

No data available.

Acute Toxicity

May be harmful if swallowed

0000064-17-5 ETHYL ALCOHOL

Inhalation can irritate the nose, throat and lungs.

Likely Routes of Exposure

Inhalation, ingestion, skin contact, eye contact

0000064-17-5 ETHYL ALCOHOL

The substance can be absorbed into the body by inhalation of its vapor or by ingestion.

0007722-84-1 HYDROGEN PEROXIDE

The substance can be absorbed into the body by inhalation of its vapour and by ingestion.

Potential Health Effects - Miscellaneous

0000064-17-5 ETHYL ALCOHOL

The following medical conditions may be aggravated by exposure: liver disease. Tests in some laboratory animals indicate this compound may have embryotoxic activity. Tests in animals demonstrate reproductive toxicity. Ingestion may cause any of the following: stupor (central nervous system depression), gastrointestinal irritation. If absorbed through the skin, may be: harmful.

Miscellaneous Health Effects

0007722-84-1 HYDROGEN PEROXIDE

Ingestion of this substance may produce oxygen bubbles (embolism) in the blood, resulting in shock.

0007722-84-1 HYDROGEN PEROXIDE

LC50 (rat): 2000 mg/m³ (4-hour exposure; whole body exposure) (concentration not specified) (3) NOTE: This value is not considered reliable since a whole body exposure was used and the study was poorly reported.

LD50 (oral, male rat): 1193 mg/kg (35% solution) (4, unconfirmed)

LD50 (oral, female rat): 801 mg/kg (60% solution) (4, unconfirmed)

LD50 (oral, male rat): 75 mg/kg (70% solution) (4, unconfirmed)

LD50 (oral, mouse): 2000 mg/kg (90% solution) (4, 12, unconfirmed)

LD50 (dermal, rabbit): approximately 690 mg/kg (90% solution) (4, unconfirmed)

LD50 (oral, male rat): 1517 mg/kg (9.6% solution) (4, 12)

0000064-17-5 ETHYL ALCOHOL

LC50 (mouse): Approximately 21000 ppm (4-hour exposure); cited as 39 g/m³ (4-hour exposure) (1, unconfirmed)

LD50 (oral, rat): 7060 mg/kg (41); 10600 mg/kg (41); 13660 mg/kg (37)

LD50 (oral, mouse): 3450 mg/kg (1, unconfirmed)

LD50 (oral, guinea pig): 5560 mg/kg (37)

SECTION 12) ECOLOGICAL INFORMATION

Toxicity

0000064-17-5 ETHYL ALCOHOL

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

0000064-17-5 ETHYL ALCOHOL

Readily biodegradable. Half-life in air = 38 h

0007722-84-1 HYDROGEN PEROXIDE

Readily biodegradable.

Bio-accumulative Potential

0000064-17-5 ETHYL ALCOHOL

Substance has a low potential for bioaccumulation (log Kow3),

0007722-84-1 HYDROGEN PEROXIDE

No potential for bioaccumulation.

Mobility in Soil

No data available.

Other Adverse Effects

No data available.

Results of the PBT and vPvB assessment

0007722-84-1 HYDROGEN PEROXIDE

The substance is not PBT/vPvB.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

Waste management should be in full compliance with federal, state/provincial and local laws.

SECTION 14) TRANSPORT INFORMATION

	Canadian TDG Information	U.S. DOT Information
UN number:	UN1987	UN1987
Proper shipping name:	ALCOHOLS, N.O.S. (ethanol)	ALCOHOLS, N.O.S. (ethanol)
Hazard class:	3	3
Packaging group:	III	III
Hazardous substance (RQ):	No Data Available	No Data Available
Marine Pollutant:	No Data Available	No Data Available
Note / Special Provision:	No Data Available	No Data Available
Toxic-Inhalation Hazard:	No Data Available	No Data Available

SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0000064-17-5	ETHYL ALCOHOL	65% - 85%	Canada_NPRI,DSL,Canada_NPRI_Part5,IARCCarcinogen,TSCA,Canada_ON_419,Canada_ON_AAQC - Ontario Ambient Air Quality Criteria,CAN_VOC - Canada_VOC
0007722-84-1	HYDROGEN PEROXIDE	0.1% - 1.0%	DSL,IARCCarcinogen,TSCA,Canada_ON_419,Canada_ON_AAQC - Ontario Ambient Air Quality Criteria,CEPA_RestrictedComponents - Restricted Components Regulations under Explosives Act

The information in this Section does not list non-hazardous components that might have relevant Canada_ON_JSL - Canada_ON_Jurisdictional Screening Level, Canada_ON_VOC, DSL, TSCA regulatory values, if they are present at less than 2%. Please contact manufacturer for more information.

SECTION 16) OTHER INFORMATION INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self- Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

Version 1.0:

Revision Date: Mar 20, 2020

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