

SAFETY DATA SHEET

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product ID: EZKLEENHSG
Product Name: SANITIZER GEL
Revision Date: Mar 16, 2020 **Date Printed:** Mar 16, 2020
Version: 1.0 **Supersedes Date:** N.A.
Manufacturer's Name: Dimachem Inc
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Product/Recommended Uses: Cleaner

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 - Prevention

Wear eye/face protection.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical, ventilating, lighting equipment.
Use only non-sparking tools.
Take action to prevent static discharges.

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.

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	55% - 70%
0000067-63-0	ISOPROPYL ALCOHOL	5% - 10%

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. If skin irritation or rash occurs: Get medical advice/attention.

Eye Contact

Immediately flush eyes with plenty of cool, clean water for at least 15 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. Get medical advice/attention.

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, carbon dioxide, water spray, fog or foam

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

Water spray may be used to cool unopened containers. Isolate immediate hazard area and keep unauthorized personnel 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 breathe vapor or mist. Do not get in eyes. Spilled material is slippery.

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. 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	
ISOPROPYL ALCOHOL		200		400	A4	A4; BEI	Eye & URT irr; CNS	

Chemical Name	CAN_ONtpm	CAN_ONsmg	CAN_ONsppm	OSHA TWA (mg/m3)	OSHA TWA (ppm)	OSHA STEL (mg/m3)	OSHA STEL (ppm)	OSHA Carcinogen
ETHYL ALCOHOL				1900	1000			
ISOPROPYL ALCOHOL				980	400			

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

(C) - Ceiling limit, A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, A4 - Not Classifiable as a Human Carcinogen, BEI - Substances for which there is a Biological Exposure Index or Indices, CNS - Central nervous system, impair - Impairment, irr - Irritation, URT - Upper respiratory tract

The information in this Section does not list components that might have relevant OSHA Tables (Z1, Z2, Z3), OSHA TWA (mg/m3), OSHA TWA (ppm), ACGIH TWA (ppm), ACGIH Carcinogen, ACGIH Notations, ACGIH TLV Basis regulatory values, if they are present at less than 1%. Please contact manufacturer for more information.

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density	7.118 lb/gal
Specific Gravity	0.854
% Solids By Weight	0.01270%
% VOC	5.46309%

Appearance	Slightly blue gel
Odor Threshold	N/A
Odor Description	Fresh
pH	6.5-8.5
Water Solubility	N/A
Flammability	N/A
Flash Point Symbol	N/A
Flash Point	24 °C
Viscosity	120 cPs
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 oxidizing 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

0000067-63-0 ISOPROPYL ALCOHOL

Liquid irritates eyes and may cause injury.

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

The Acute Toxicity Estimate (ATE) for an oral exposure to this mixture is >5000 mg/kg body weight

The Acute Toxicity Estimate (ATE) for a dermal exposure to this mixture is >5000 mg/kg body weight

The Acute Toxicity Estimate (ATE) for an inhalation (vapour) exposure to this mixture is >20 mg/l

0000064-17-5 ETHYL ALCOHOL

Inhalation can irritate the nose, throat and lungs.

0000067-63-0 ISOPROPYL ALCOHOL

If ingested causes drunkenness and vomiting. Inhalation can irritate the nose and throat.

LC50 (Rat, Inhalation) = 16,000 ppm/8H Reference : Registry of Toxic Effects of Chemical Substances If ingested causes drunkenness and vomiting. Inhalation can irritate the nose and throat.

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.

0000067-63-0 ISOPROPYL ALCOHOL

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

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.

0000067-63-0 ISOPROPYL ALCOHOL

The following medical conditions may be aggravated by exposure: dermatitis, respiratory disease. Developmental toxicity was seen in rat's offspring at doses that were maternally toxic. Contact will cause moderate to severe redness and swelling, itching, tingling sensation, painful burning. May cause injury to the cornea of the eyes. Prolonged or repeated exposure may cause damage to any of the following organs/systems: liver. Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights.

0000067-63-0 ISOPROPYL ALCOHOL

LC50 (rat): 17000 ppm (4-hour exposure); cited as 12000 ppm (8-hour exposure) (18)

LD50 (oral, male rat): 4710 mg/kg (cited as 6.0 mL/kg) (19)

LD50 (oral, mouse): 3600 mg/kg (20, unconfirmed)

LD50 (dermal, rabbit): 12870 mg/kg (cited as 16.4 mL/kg) (14)

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

0000067-63-0 ISOPROPYL ALCOHOL

Readily biodegradable

Bio-accumulative Potential

0000064-17-5 ETHYL ALCOHOL

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

0000067-63-0 ISOPROPYL ALCOHOL

Substance is not expected to bioaccumulate.

Mobility in Soil

No data available.

Other Adverse Effects

No data available.

Results of the PBT and vPvB assessment

0000067-63-0 ISOPROPYL ALCOHOL

Substance is readily biodegradable and therefore not considered to be persistent. It is not expected to bioaccumulate as it has a Log Kow < 4.5 and aquatic acute toxicity greatly exceeds the screening criteria of EC50 < 0.1 mg/l.

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, Propan-2-ol)	ALCOHOL, N.O.S. (Ethanol, Propan-2-ol)
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	55% - 70%	Canada_NPRI,DSL,Canada_NPRI_Part5,IARCCarcinogen,TSCA,Canada_ON_419,Canada_ON_AAQC - Ontario Ambient Air Quality Criteria,CAN_VOC - Canada_VOC
0000067-63-0	ISOPROPYL ALCOHOL	5% - 10%	Canada_NPRI,DSL,Canada_NPRI_Part1A,Canada_NPRI_Part5,IARCCarcinogen,TSCA,Canada_ON_VOC,Canada_ON_419,Canada_ON_AAQC - Ontario Ambient Air Quality Criteria,CAN_VOC - Canada_VOC

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.

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